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VOL. XII MARCH, 1922 NUMBER 2

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APR 19 1923

CATALOGUE NUMBER

SESSION 1921-1922

PUBLISHED QUARTERLY BY THE COLLEGE
SALEM, VIRGINIA

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GENERAL CATALOGUE

OF

ROANOKE COLLEGE

SALEM, VIRGINIA

SIXTY-NINTH SESSION

1921-1922

WITH ANNOUNCEMENTS FOR 1922-1923

SALEM, VIRGINIA
PUBLISHED BY THE COLLEGE
1922

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1922

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CALENDAR

1922

Registration Begins:
Tuesday, September 12.

Formal Opening:
Wednesday, September 13, 11:00 a. m. Registration continued.

Class Work Begins:
Thursday, September 14, 8:00 a. m.

Entrance Examinations:
Monday to Wednesday, September 18-20.

Armistice Day Celebration:
Saturday, November 11, 11:00 a. m.

Thanksgiving Day:
Thursday, November 23, holiday.

Christmas Recess:
Friday, December 22, 1:30 p. m. to Wednesday, January 3, 8:00 a. m.

1923

Demosthenean Celebration:
Anniversary Celebration of the Demosthenean Literary Society, Friday, January 19, 8:00 p. m.

First Semester Examinations:
Monday to Saturday, January 22-27.

Second Semester Begins:
Monday, January 29.

Anniversary Address Before the Y. M. C. A.:
Sunday, February 18, 7:30 p. m.

Ciceronian Celebration:
Anniversary Celebration of the Ciceronian Literary Society, Thursday, February 22, 8:00 p. m.

Last Day for Filing Outlines of Theses:
Thursday, March 1.

Easter Recess:
Thursday, March 29, 1:30 p. m. to Tuesday, April 3, 8:00 a. m.

Last Day for Filing Theses:
Monday, April 16.

Final Examinations:
Monday to Friday, June 4-8.

Commencement:
Sunday to Wednesday, June 10-13.

BOARD OF TRUSTEES

HON. JAMES P. WOODS, President	Roanoke, Va.
REV. A. D. R. HANCHER, A. M., Vice President	Richmond, Va.
ROBERT W. KIME, A. M., Secretary	Salem, Va.
WILLIAM H. RUTHRAUFF, Treasurer	Salem, Va.
PRESIDENT CHAS. J. SMITH, A. M., D. D., *ex officio*	Salem, Va.
HON. GEORGE W. KOINER, A. M.	Richmond, Va.
FRANK H. CHALMERS, A. M.	Front Royal, Va.
*J. E. COOPER, A. M.	Winchester, Va.
EDGAR L. GREEVER, A. M.	Tazewell, Va.
IVAN V. YONCE	Salem, Va.
†JACOB W. EBERLY	Strasburg, Va.
CHARLES D. DENIT	Salem, Va.
GEORGE A. L. KOLMER, A. M., M. D.	Salem, Va.
A. M. BOWMAN, A. M.	Salem, Va.
JOHN H. FAHRENBACH, A. M.	Buena Vista, Va.
HARRY L. SNYDER	Shepherdstown, W. Va.
REV. J. A. HUFFARD, A. M., D. D.	Kingsport, Tenn.
C. MARKLEY	Roanoke, Va.
GEO. W. TOMPKINS	Roanoke, Va.
C. A. ERNST, PH. D.	Marcus Hook, Pa.
J. STUART ETTER	Rural Retreat, Va.

The Trustees hold their annual meeting during Commencement.

*Deceased March 26, 1922.
†Deceased February 4, 1922.

COMMITTEES OF THE TRUSTEES

EXECUTIVE AND FINANCE COMMITTEE

W. H. RUTHRAUFF
C. J. SMITH
R. W. KIME
A. M. BOWMAN
GEORGE A. L. KOLMER

AUDITING COMMITTEE

R. W. KIME
GEORGE A. L. KOLMER
A. M. BOWMAN

NOMINATING COMMITTEE

C. J. SMITH
A. D. R. HANCHER
R. W. KIME

ADMINISTRATIVE OFFICERS

President
CHARLES J. SMITH, A. M., D. D.

Dean
CHARLES R. BROWN, A. M., PH. D.

Secretary of the College
DENNIS B. WELSH, A. M.

Secretary of the Faculty
A. PELZER WAGENER, PH. D.

Registrar
D. R. CARPENTER, A. M.

Treasurer
W. E. MANN, A. M.

Librarian
JANET M. FERGUSON

FACULTY

CHARLES JACOB SMITH, A. M., D. D.
President

A. B., Roanoke College, 1901, D. D., 1915; A. M., Princeton University, 1902; Graduate, Mount Airy Theological Seminary, 1905.

LUTHER A. FOX, A. M., D. D., LL. D.
Professor of Philosophy

A. B., Roanoke College, 1868, A. M., 1871, D. D., 1881; LL. D., Susquehanna University, 1915.

WYTHE F. MOREHEAD, A. M.
Professor of English

A. B., Roanoke College, 1884, A. M., 1889; Student, Institute Rudy, Paris, 1888; University of Berlin, 1888-89; University of Leipzig, 1889-91 and 1896-98.

DELMA RAE CARPENTER, A. M.
Professor of Mathematics and Astronomy

A. B., Roanoke College, 1908; A. M., Princeton University, 1909; Student, University of Chicago, Summer Sessions, 1909-10, 1912-14.

GEORGE GOSE PEERY, A. M.
Professor of Biology

A. B., Roanoke College, 1905, A. M., 1907; Student, Johns Hopkins University, 1910-12; Biological Laboratory, Brooklyn Institute of Arts and Sciences, Summer Session, 1914.

ANTHONY PELZER WAGENER, PH. D.
Professor of Latin and Greek

A. B., College of Charleston, 1906; Fellow, Johns Hopkins University, 1909-10; Ph. D., 1910; Fellow, American School of Classical Studies, Rome, 1910-11.

CHARLES R. BROWN, A. M., PH. D.
Professor of History and Political Science

A. B., Roanoke College, 1910; A. M., Princeton University, 1911, and Ph. D., 1913.

DENNIS B. WELSH, A. M.

Secretary of the College

A. B., Roanoke College, 1908, A. M., 1909; A. M., Princeton University, 1916.

ROSCOE M. DOUB, A. M.

Assistant Professor of Physics

A. B., Roanoke College, 1914, and A. M., 1918; Student, Summer Session, Columbia University, 1920.

HARRY I. JOHNSON, A. M., PH. D.

Professor of Chemistry

A. B., Roanoke College, 1912; A. M., 1912; Ph. D., Johns Hopkins University, 1917.

L. G. H. ADOLPH SCHUMACHER, PH. D.

Associate Professor of French and Spanish

Graduate, Gymnasium of Goettingen, 1886; Ph. D., University of Pennsylvania, 1910.

EARL ALEXANDER BYERS, A. M., B. D., PH. D.

Associate Professor of German

A. B., Midland College, 1915; Student, University of Chicago, Spring and Summer Quarters, 1917; A. M., University of Nebraska, 1917; B. D., Western Theological Seminary, 1918; Ph. D., University of Nebraska, 1920.

ANDREW J. NEWMAN, A. M.

Head of the Department of Business Administration

B. Ped., Missouri State Teachers' College, 1908; A. B., Washington University, 1910; A. B. in Ed., Missouri State Teachers' College, 1910; A. M., University of Missouri, 1911; Student, Stanford University, 1916-17; Student, College of Commerce, University of California, 1917-18, 1918-19.

WILBUR EARL MANN, A. M.

Instructor in Business Administration

A. B., Roanoke College, 1909, and A. M., 1910; Certificate for Completion of the Course in Bookkeeping, Roanoke College, Commercial Department, 1908.

J. E. B. SMITH, A. M.

Instructor in Education

A. B., Roanoke College, 1899, A. M., 1902; M. S., Virginia Polytechnic Institute, 1904; Student, University of Chicago, School of Education, Summers, 1912-16.

GEORGE A. L. KOLMER, A. M., LL. B., M. D.
College Physician and Instructor in Hygiene

A. B., Roanoke College, 1907, A. M., 1909; LL. B., University of Maryland, 1904; M. D., Johns Hopkins University, 1913.

THURSTON LANTZ KEISTER, LL. B.
Instructor in Business Law

A. B., Roanoke College, 1910; LL. B., Washington and Lee University, 1913.

H. POWELL CHAPMAN, A. M.
Instructor in Journalism

A. B., Roanoke College, 1908; A. M., 1909. Editor of the Roanoke Times, and Associate Editor of the (Roanoke) World-News.

JULIUS FIELDING PRUFER, A. M.
Instructor in History and English

A. B., Roanoke College, 1920; A. M., 1921.

CLARENCE PHLEGAR SMITH, A. M.
Instructor in Chemistry

A. B., Roanoke College, 1916; A. M., 1917.

HARTSELLE DEBURNEY KINSEY, A. B.
Instructor in Mathematics and Assistant in the Chemical Laboratories

A. B., Roanoke College, 1921.

GUY H. SPRUHAN
Professor of Physical Education and Director of Athletics

Student, Ohio Northern University, 1910-11, 1912-13; Student, University of Mississippi, 1912. Athletic Coach, Roanoke College, 1913-18; Coach in the Major Sports, Virginia Military Institute, 1918-1921.

ALFRED SIDNEY CRAFT, A. B.
Instructor in Physical Training

A. B., Roanoke College, 1918.

JANET M. FERGUSON
Librarian

LUTHER GRADY COOPER
Assistant in the Library

CARL GLENN WILKINS
Assistant in the Library

COMMITTEES OF THE FACULTY

ON COURSE OF STUDY

PROFESSORS BROWN, CARPENTER, WAGENER, PEERY, AND NEWMAN

ON ATHLETICS

MR. SPRUHAN, MR. MANN, AND PRESIDENT SMITH

ON STUDENT PUBLICATIONS

MR. WELSH, PROFESSORS BROWN AND WAGENER, AND MR. MANN

ON LIBRARY

PROFESSORS WAGENER, MOREHEAD, AND BYERS AND MISS FERGUSON

ON BUILDINGS AND GROUNDS

PROFESSOR DOUB, MR. MANN, AND MR. C. P. SMITH

ON SOCIAL ACTIVITIES

PROFESSORS WAGENER, CARPENTER, JOHNSON, AND SCHUMACHER AND MR. WELSH

ON MUSIC

PROFESSORS PEERY, CARPENTER, AND BYERS

ON RELIGIOUS ACTIVITIES

PROFESSORS PEERY, FOX, AND BYERS

THE COLLEGE

HISTORICAL SKETCH

In 1842 two Lutheran clergymen from Frederick County, Maryland, Rev. David Frederick Bittle and Rev. Christopher C. Baughman, founded a school near Mt. Tabor church, about eight miles southwest of Staunton, Virginia, which was named the Virginia Institute. In 1845, this was incorporated by the legislature of Virginia under the name of "The Virginia Collegiate Institute." It was moved in 1847 to Salem, a site easily accessible to the two synods in Virginia, and enjoying a healthful climate in addition to picturesque scenery. From the foundation of the institute until it became a college, Rev. C. C. Baughman was the principal.

The act of incorporation, making the Virginia Collegiate Institute Roanoke College, was passed March 14, 1853. Mr. Baughman having resigned, Dr. D. F. Bittle was elected president. The first session opened September 1, 1853. Roanoke was one of the few Southern colleges that maintained their instruction throughout the war of 1861-5. Through the efforts of Dr. Bittle, students who reached the age of eighteen during a given session were permitted by the Secretary of War of the Confederate States to remain in college until the close of the session.

Dr. Bittle died suddenly while attending a meeting of a faculty committee on the evening of September 25, 1876. Dr. T. W. Dosh was elected President in 1877, but resigned the next year to accept a professorship in the Theological Seminary of the United Synod South, then located at Salem. The trustees chose as his successor Dr. Julius D. Dreher, at that time Professor of English and Financial Secretary. After an administration of twenty-five years, during which the influence of the College was greatly broadened and many supporting friends developed, he resigned his position of leadership at the commencement which celebrated the semi-centennial anniver-

sary of the founding of Roanoke. He was succeeded in 1903 by Dr. J. A. Morehead, under whose administration new buildings were added, the courses of study broadened, and the faculty enlarged and strengthened. Upon the resignation of Dr. Morehead in 1920, Dr. Chas. J. Smith was elected President of the College. President Smith entered upon his duties in June, 1920.

LOCATION

Salem, the seat of Roanoke College, is 264 miles west of Norfolk, 60 miles west of Lynchburg, and 7 miles from Roanoke. It is situated on the main line of the Norfolk & Western Railway, and of the Virginian Railway, giving convenient routes and connections for Columbus, Ohio, Charleston, W. Va., Norfolk, Va., and Chattanooga, Tenn. Additional connections are made at Roanoke and at Lynchburg for points in the South and North. These connections render the College easily accessible from all parts of the country. An electric railway connects Salem and Roanoke. There are twelve mails daily and telegraphic connections with all parts of the country. The town has a population of nearly 5,000. It has a good system of waterworks, sewerage, and electric lights. Salem is noted, not only for the intelligence and refinement, but also for the high moral and religious tone of its population. There are churches of six denominations maintaining regular services within easy walking distance of the College.

CLIMATE AND HEALTH

The Roanoke Valley, widely known for its beauty and fertility, has a climate noted for its equability—its summers being seldom too warm and its winters much milder than in the more mountainous sections of Virginia. In this salubrious climate, few of the diseases which infest many portions of the country are known. Most young men from the South improve greatly in physical health, and consequently in mental vigor after a stay of some months in this mountain region.

Within a radius of thirty miles of Salem are seven resorts for mineral waters, while in the immediate vicinity are both

sulphur and chalybeate springs. Salem also attracts a number of summer visitors. Families from different sections of the country find here the comforts of a home, while affording their sons the educational advantages of Roanoke College.

BUILDINGS AND GROUNDS

The old and historic college buildings face the main entrance to the campus and are substantially built of brick. The large administration building houses the college offices on the first floor, the second and third floors being used for classrooms and laboratories. This main building is flanked on either side by East and West Halls which contain the rooms of the two literary societies, the Y. M. C. A. hall, the chapel, and the physical laboratory. These buildings together with the handsome library to the east give a total frontage of 313 feet.

To the north of the main building, the new commons, 101 by 44 feet, is an attractive building in collegiate Gothic style, executed in red brick laid in Flemish bond, with trimmings of Indiana limestone. This is flanked by the new gymnasium, 75 by 40 feet, equipped with modern gymnastic apparatus; and a new dormitory, 250 feet in length, which will accommodate one hundred and twenty students. These three buildings are uniform in architectural style.

The college grounds, which contain about twenty acres, are conveniently situated in the Town of Salem.

Recreation grounds have been set apart, and students are advised to take physical exercise regularly in the open air as well as in the gymnasium.

REQUIREMENTS FOR ADMISSION

Students are admitted to the College either by examination or by certificate from an accredited secondary school or college. All candidates for admission are required to present official certificates of honorable dismissal from the institution which they last attended or other satisfactory evidence of good moral character.

The attendance is limited to 250 students.

ADMISSION BY CERTIFICATE

Certificates from officially accredited secondary schools will be accepted as evidence of the student's qualifications. These certificates should state specifically the character and content of each course of study, the amount of time devoted to each, and the student's grade, and must be signed by the principal. Certificates should be sent to the President of the College at least two weeks before the candidate's arrival. Blank certificates will be furnished upon application to the Secretary of the College.

The list of accredited secondary schools includes those schools which are accredited by either the State Boards of Education or the State Universities of the several states. Certificates from private tutors will not be accepted.

ADMISSION BY EXAMINATION

Applicants for admission to the College who cannot offer satisfactory certificates from accredited preparatory schools for any course may enter by taking an equivalent examination. Entrance examinations are held during the first week after the opening in accordance with the calendar on Page 5.

LATE REGISTRATION

Students should be present on the day preceding the opening of the session. A week or two lost at the beginning of the session is frequently the cause of embarrassment throughout the year.

Every student is required to register during the two days assigned for registration or within twenty-four hours from the time of his arrival at the College. Students who fail to comply with these regulations will be charged a fee of $2.50 for late registration.

ADMISSION TO FRESHMAN STANDING

The College offers regular courses of study leading to the degrees of Bachelor of Arts and Bachelor of Science. The requirement for admission to the Freshman class for either of these degrees is the completion of a four-year course of not less than fifteen units in an officially accredited school, or its equivalent as shown by examination.

A unit represents the amount of work done in any subject in an accredited secondary school in one session of at least thirty-six weeks of five forty-minute periods each. A full year's work for the average student is about four units.

The distribution of the prescribed and elective units of the entrance requirement for the two degrees, respectively, is as follows:

	UNITS
English	3
History	1
Algebra	1.5
Plane Geometry	1
Science (Physics, Chemistry, Zoölogy, Botany)	1
Elective	7.5

Students who are candidates for the degree of Bachelor of Arts must include in the elective units either four units of Latin or two units of Latin and two units of another foreign language. Those who are candidates for the degree of Bachelor of Science must present two units in each of two foreign languages.

In case a student is unable to offer the required number of units in foreign languages at the time of his entrance he will be admitted conditionally. Such conditions may be removed by taking the equivalent in elementary language courses in the College.

Courses which are taken to remove entrance conditions in foreign language have no credit toward a degree.

ADMISSION TO ADVANCED STANDING

Certificates from preparatory schools are not accepted for college credits. Students who hold such certificates and desire advanced standing may secure it by taking examinations on those subjects for which credit is sought.

Certificates for work completed in any college of standard or junior rank will be accepted for full value in place of the corresponding courses offered in this institution. Certificates from institutions of lower rank will be considered individually and credits will be assigned as the faculty may deem proper.

Certificates from colleges of junior rank are not accepted for the final required work in any department. Students who hold such certificates may satisfy the final requirement of any department either by examination or by taking in course work in addition to that offered by certificate.

A candidate for graduation in three years must meet fully the requirements for admission and offer in addition credits by way of advanced standing to the extent of twelve semester hours.

SYNOPSIS OF ENTRANCE UNITS

Subjects	Topics	Units
English A	Advanced Grammar and Analysis	1
English B	Composition and Rhetoric	1
English C	Study in English Classics	1
English D	Composition and History of English and American Literature	1
Latin A	Elementary Grammar and Composition	1
Latin B	Four books of Cæsar, or equivalents	1
Latin C	Six Orations of Cicero	1
Latin D	Six books of Vergil's Æneid (Ovid may be substituted in part)	1
Greek A	Elementary Grammar, Composition, and Translation	1
Greek B	Intermediate Grammar, Composition, and Translation	1
German A	Elementary Grammar, Composition, and Translation	1
German B	Intermediate Grammar, Composition, and Translation	1
French A	Elementary Grammar, Composition, and Translation	1
French B	Intermediate Grammar, Composition, and Translation	1
Spanish A	Elementary Grammar, Composition, and Translation	1
History A	Greek and Roman History	1
History B	Medieval and Modern History	1
History C	English History	1
History D	American History and Civil Government	1
Mathematics A	Algebra to Quadratics	1
Mathematics B	Algebra from Quadratics	0.5
Mathematics C	Plane Geometry	1
Mathematics D	Solid Geometry	0.5
Mathematics E	Plane Trigonometry	0.5
Science A	Physical Geography	1
Science B	Physics, with laboratory work	1
Science C	Chemistry, with laboratory work	1
Science D	Physiology	0.5
Science E	Zoölogy	0.5
Science F	Botany, with laboratory work	1
Science G	Mechanical Drawing	0.5
Science H	Agriculture, with laboratory work	1

No entrance credit is allowed for typewriting, stenography, military training, or physical education.

No subject will be credited for less than one-half unit.

SCOPE OF ENTRANCE UNITS

ENGLISH

For admission to the Freshman class, four units may be offered, of which three are required. A command of correct and clear English, spoken and written, is of supreme importance, and no student will be given entrance credit whose work shows marked deficiency in spelling, punctuation, grammar, sentence structure, or paragraphing. The requirements in each of the subjects accepted for entrance credit in English are as follows:

A. ADVANCED GRAMMAR AND ANALYSIS. (One unit.) The equivalent of one year of high school work in reviewing English grammar, including a detailed study of sentence structure, capitalization, and punctuation.

B. COMPOSITION AND RHETORIC. (One unit.) One year of high school work devoted to the study of the elements of composition and rhetoric, the essential principles governing punctuation, the use of words, sentence structure, and paragraphing; study of the different types of composition, including letter writing, and of the fundamental qualities of style. Much practice in composition, oral and written, is indispensable.

C. CRITICAL STUDY OF LITERATURE. (One unit.) The equivalent of one high school year in the critical reading and study of specimens of literature. It is recommended that selections be made from the list adopted by the joint committee of colleges and secondary schools as follows:

Two from each of the following groups:—

I. 1. Selections from the *Old Testament* (the chief narrative episodes in *Genesis, Exodus, Joshua, Judges, Samuel, Kings,* and *Daniel,* and the books of *Ruth* and *Esther*); 2. The *Odyssey.* (English translation), (Books I, II, III, IV, V, XV, XVI, XVII may be omitted); 3. The *Iliad* (English translation), Books XI, XIII, XIV, XV, XVII, XXI may be omitted); 4. Vergil's *Æneid* (English translation).

A unit from any other group may be substituted for any unit in this group.

II. 1. Shakespeare's *The Merchant of Venice;* 2. *A Midsummer Night's Dream;* 3. *As You Like It;* 4. *Twelfth Night;* 5. *Henry the Fifth;* 6. *Julius Cæsar.*

III. 1. Defoe's *Robinson Crusoe* (Part I); 2. Goldsmith's *The Vicar of Wakefield;* 3. Either Scott's *Ivanhoe* or *Quentin Durward;* 4. Hawthorne's *The House of Seven Gables;* 5. Either Dickens' *David Copperfield* or *A Tale of Two Cities;* 6. Thackeray's *Henry Esmond;* 7. Mrs. Gaskell's *Cranford;* 8. George Eliot's *Silas Marner;* 9. Stevenson's *Treasure Island.*

IV. 1. Bunyan's *The Pilgrim's Progress* (Part I); 2. *The Sir Roger de Coverley Papers* in *The Spectator;* 3. Franklin's *Autobiography;* 4. Irving's *Sketch Book;* 5. Macaulay's Essays on *Lord Clive* and *Warren Hastings;* 6. Thackeray's *English Humorists;* 7. Either Thoreau's *Walden* or Huxley's *Autobiography* and selections from *Lay Sermons,* including the addresses on *Improving Natural Knowledge, A Liberal Education,* and *A Piece of Chalk;* 8. Stevenson's *An Inland Voyage* and *Travels with a Donkey.*

V. 1. Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; 2. Gray's *An Elegy in a Country Churchyard* and Goldsmith's *The Deserted Village;* 3. Coleridge's *The Rime of the Ancient Mariner* and Lowell's *The Vision of Sir Launfal;* 4. Scott's *The Lady of the Lake;* 5. Byron's *Childe Harold,* Canto IV, and *The Prisoner of Chillon;* 6. Palgrave's *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley; 7. Poe's *The Raven,* Longfellow's *The Courtship of Miles Standish,* and Whittier's *Snow-Bound;* 8. Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum;* 9. Tennyson's *Gareth and Lynette, Launcelot and Elaine,* and *The Passing of Arthur;* 10. Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.*

D. HISTORY OF ENGLISH AND AMERICAN LITERATURE. (One unit.) The equivalent of one year of high school work in the study of the history of English and American literature. Special attention should be devoted to standard authors and to composition work on subjects assigned.

LATIN

LATIN A. (One unit.) This represents the completion of some standard elementary Latin book, such as Collar and Daniell's, Pearson's, or Hale's. There should be constant practice in pronunciation, the Roman method being used. A drill book, such as Lampe's, is almost a necessity in fixing forms. A grammar, such as Bennett's or Allen and Greenough's, is needed for reference.

LATIN B. (One unit.) This represents the reading of Cæsar's *Gallic War,* Books I-IV, or an equal amount of Sallust or Nepos, together with weekly drill in Latin Composition. There should be practice in reading Latin at sight. The grammars named above will serve for reference.

LATIN C. (One unit.) This represents the reading of six orations of Cicero; the four orations against Catiline, the oration *pro Archia,* and one other, and weekly drill in Latin Composition. There should also be practice in reading Latin at sight. The same grammars may be continued.

LATIN D. (One unit.) This represents the reading of the first six books of Vergil's *Æneid* (for parts of which an equal amount of Ovid may be substituted) with the weekly drill in composition continued, and practice in reading Latin at sight. Adequate attention must be given to quantity and versification, and there should be constant practice in metrical reading. The same grammars may be continued.

GREEK

GREEK A. (One unit.) The completion of any standard first Greek book with particular attention to the principal parts of verbs, indirect discourse, and the translation of sentences from English into Greek. Reading at sight should be practiced from the outset.

GREEK B. (One unit.) The completion in the same thorough manner of two books of Xenophon's *Anabasis,* the sentences for translation into Greek being based on portions of the *Anabasis* read. Attention should also be given to Greek geography and history.

GERMAN

GERMAN A. (One unit.) During the first year the work should comprise: (1) careful drill in pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill in the rudiments of grammar—that is, in the inflection of the articles, nouns, adjectives, pronouns, weak verbs, and the more common strong verbs; also in the use of the more frequent prepositions, the simpler use of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises to illustrate the principles of syntax; (5) the reading of 75 to 100 pages of graduated texts, with constant practice in translating into German easy variations of sentences selected from the reading lesson.

GERMAN B. (One unit.) During the second year the work should comprise: (1) the reading of from 200 to 300 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations of sentences read; (3) continued drill in the rudiments of grammar, with the aim of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to express himself correctly in the technical language of grammar; (4) drill in word-formation with special reference to English-German cognates; (5) the memorizing of well-known passages of poetry and songs.

FRENCH

FRENCH A. (One unit.) During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and of the more common irregular verbs, plural nouns, adjectives, participles, and pronouns; the order of words in a sentence and the elementary rules of syntax; (3) abundant easy exercises designed not only to fix in memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 150 duodecimo pages of graduated texts, with constant practice in trans-

lating into French easy variations of the sentences read; (5) writing French from dictation.

FRENCH B. (One unit.) During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose; (2) constant practice in translating into French variations upon the texts read; (3) continued drill in the rudiments of grammar, with constant application in the construction of sentences; (4) the attainment of mastery of the forms and uses of pronouns and all but the rare irregular verb forms and of the simpler uses of the conditional and subjunctive; (5) writing French from dictation.

SPANISH

SPANISH A. (One unit.) The equivalent of a year's work in an elementary book such as Giese's *First Spanish Book and Reader,* or in a grammar such as Edgren's combined with a book like Matzke's *First Spanish Readings.*

HISTORY

A. ANCIENT HISTORY. (One unit.) A short survey of prehistoric culture, and a study of the development of Egypt, the nations of the ancient orient, Greece and Rome. The history of Western Europe should be carried in this course to the time of Charlemagne. Myers', West's, or Webster's texts in Ancient History, or their equivalent.

B. MEDIEVAL AND MODERN HISTORY. (One unit.) The development of Western Europe from Charlemagne to the present age. The medieval church, the reformation, the rise of modern states, the French revolution, and the problems of the nineteenth century should be emphasized. Myers', West's, or Robinson's texts, or their equivalent.

C. ENGLISH HISTORY. (One unit.) In this course, emphasis may properly be placed on constitutional development, and on the points of contact between English and American history. Text by Coman and Kendall, Cheyney, Andrews, or their equivalent.

D. AMERICAN HISTORY AND CIVIL GOVERNMENT. (One unit.) One half of this unit may be given to United States

history and the other half to civics, or the two subjects may be combined throughout the year. Woodburn and Moran's manual adopts the latter plan. Suitable texts in American history are those by McLaughlin, Channing, Adams and Trent, or Stephenson. Suitable texts in civics are Fiske, James and Sanford, Hart's *Actual Government,* and Bryce's *American Commonwealth,* abridged and revised edition.

To provide an adequate historical foundation, it is essential that textbook work be supplemented by collateral reading, and that the student be trained in note-taking, in oral and written expression of thought, and in the study of maps. For further particulars on this subject see: College Entrance Requirements, Clarence D. Kingsley; A Study of History in Schools (Macmillan, 1899); A Study of History in Secondary Schools (Macmillan, 1911).

MATHEMATICS

A. ALGEBRA TO QUADRATICS. (One unit.) The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions; ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and numbers; exponents, including the fractional and negative.

B. ALGEBRA FROM QUADRATICS. (One-half unit.) Quadratic equations, both numerical and literal; simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations; problems depending upon quadratic equations; the binomial theorem for positive integral exponents; the formulas for the *n*th term and the sum of the terms of arithmetic and geometric progressions, with applications.

C. PLANE GEOMETRY. (One unit.) The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circles and the

measurement of angles; similar polygons; areas; regular polygons and the measurements of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

D. SOLID GEOMETRY. (One-half unit.) The usual theorems and constructions of good textbooks, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of the numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids.

E. PLANE TRIGONOMETRY. (One-half unit.) Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulas; the transformation of trigonometric expressions by means of these formulas; the transformation of trigonometric equations of a simple character; theory and use of logarithms; the solution of right and oblique triangles with practical applications.

SCIENCE

A. PHYSICAL GEOGRAPHY. (One unit.) A year's study of any standard textbook such as Fairbanks, or the equivalent.

B. PHYSICS. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

C. CHEMISTRY. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

D. PHYSIOLOGY. (One-half unit.) The study of some standard textbook in connection with charts and models; the fundamental principles of the anatomy, physiology, and hygiene of the human body.

E. ZOÖLOGY. (One-half unit.) The study of any standard textbook, including the phyla and principal classes of animals; the principal facts of reproduction, sexual and asexual; the general facts in the embryology of a frog or a bird; the principal facts of evolution.

F. BOTANY. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

G. MECHANICAL DRAWING. (One-half unit.) The student should present a full statement of the character and amount of the work he has done with proper certification by his teacher.

H. AGRICULTURE. (One unit.) The equivalent of a year's work in agriculture as given in an accredited high school. At least one-half of the time should be devoted to laboratory work.

COURSES OF STUDY

COURSES LEADING TO DEGREES

The College offers regular courses of study leading to the degrees of Bachelor of Arts and Bachelor of Science, respectively. The differentiation of the requirements for the two degrees, which begins with the subjects required for admission, is continued throughout the college work, and, while the essentials of a liberal arts course are preserved, there is sufficient freedom of election to permit the student to secure special preparation in the direction of his life work. Thus students who intend to enter schools of medicine, law, or engineering are enabled through the generous allowance of choice of electives to get the best preparation for their professional studies.

A candidate for the degree of Bachelor of Arts or Bachelor of Science must complete one hundred and twenty-eight (128) semester hours of college work in accordance with the program outlined below. A semester hour is the equivalent of one hour of recitation or lecture, or two hours of laboratory work per week, for eighteen weeks.

The last, or Senior, year's work must be done in residence.

SUBJECTS	SEMESTER HOURS
English (two courses)	12
Foreign Language, from two languages. (For the A. B. degree Latin 1 is required.)	18
History	6
Social Science	6
Philosophy	12
Bible	6
Mathematics	6
Physics, Chemistry, or Biology	10
Major Electives	28
Electives at Large	24

The major electives must be chosen in conformity with the following group requirements:

For the A. B. degree:

Foreign Language, six semester hours;
Natural Science, ten semester hours; and
Twelve semester hours from one of the following groups, namely, Languages, Literature, Social and Philosophical Sciences.

For the B. S. degree:

Twenty-eight semester hours must be chosen from one of the following groups, namely, (1) Natural Sciences; (2) Mathematical Sciences; (3) Business Administration.

If either of the first two groups is chosen, at least two of the sciences out of the group, Chemistry, Physics, and Biology, must be presented for the degree.

If the third group is chosen, the following courses must be presented for the degree, namely, History 3, and Business Administration 1, 2, 3, and 4.

DISTRIBUTION OF WORK BY YEARS

The distribution of the required and elective work through the four years is made in accordance with the following schedule, unless for practical reasons it is manifestly impossible.

FOR THE DEGREE OF BACHELOR OF ARTS

	HOURS PER WEEK REC.	LAB.
First Year		
English 1	3	
Latin 1	3	
History 1	3	
Mathematics 1	3	
Foreign Language	3	
Second Year		
English 2	3	
Foreign Language	3	
Bible 1	3	
Natural Science	3	4
Elective	3	
Third Year		
Philosophy 1	3	
Foreign Language	3	
Social Science	3	
Natural Science	3	4
Elective	3	
Fourth Year		
Philosophy 3	3	
Elective	12	

FOR THE DEGREE OF BACHELOR OF SCIENCE

(Majoring in Natural Science or Mathematics)

	HOURS PER WEEK REC.	LAB.
First Year		
English 1	3	
Natural Science	3	4
History 1	3	
Mathematics 1	3	
Foreign Language	3	
Second Year		
English 2	3	
Natural Science	3	4
Bible 1	3	
Foreign Language	3	
Elective	3	
Third Year		
Philosophy 1	3	
Foreign Language	3	
Social Science	3	
Elective	6	
Fourth Year		
Philosophy 3	3	
Elective	12	

FOR THE DEGREE OF BACHELOR OF SCIENCE

(Majoring in Business Administration)

	HOURS PER WEEK REC.	LAB.
First Year		
English 1	3	
Foreign Language	3	
History 1	3	
Mathematics 1	3	
Business Administration 1	3	
Second Year		
English 2	3	
Foreign Language	3	
Bible 1	3	
History 3	3	
Business Administration 2	3	
Elective	3	
Third Year		
Philosophy 1	3	
Foreign Language	3	
Natural Science	3	4
Business Administration 3	3	
Elective	3	
Fourth Year		
Philosophy 3	3	
Elective	12	

MASTER OF ARTS

A student who has the degree of Bachelor of Arts of Roanoke College, or of any standard college, may become a candidate for the Master's degree. The applicant must complete satisfactorily four courses of study, representing at least three departments. Two of these courses, which shall constitute the major subject, must be in the same department, or closely related departments, and must be supplemented by collateral work to the extent of one hour each per week. The work in the major subject must be distinctly graduate in character, and a thesis will be required on a subject assigned. Any undergraduate electives of grade not lower than Junior may be offered as minor courses. The course of study must be approved by a committee of the faculty. The candidate is required to submit to the head of the department of his major subject an outline of his thesis by March 1, and the completed thesis by April 15.

The degree of Master of Arts may be conferred upon non-resident students also. Two years of study in one major and two minor subjects, representing at least three different departments, are required, together with a thesis on a theme connected with the major subject. A major shall represent approximately the equivalent of eighteen semester hours of work, and each minor, nine semester hours. The eligibility of the applicant and the general plan of his studies must be approved by the faculty. The details of the outlining and the arrangement of courses will be referred to the departments concerned, and the work must be pursued under the constant personal direction of the heads of those departments. At least two examinations in each subject are required, the examinations to be taken at the College at proper intervals. Graduates of Roanoke College, or of any standard college, are eligible for the degree under these conditions. The fees are $10 for each year of study, payable $5 each semester in advance, together with a diploma fee of $5.

COURSES NOT LEADING TO DEGREES

PRE-MEDICAL COURSE

According to the recommendation of the Council on Medical Education of the American Medical Association, the minimum requirement for admission to acceptable medical schools is 60 semester hours of collegiate work, extending through two years. The following program of studies is required.

	HOURS PER WEEK			HOURS PER WEEK	
	REC.	LAB.		REC.	LAB.
First Year			**Second Year**		
Chemistry	3	5	Chemistry	3	5
Biology 1	3	4	Physics 1	3	4
French or German	3		French or German	3	
Mathematics 1	3		Electives	6	
English 1	3				
	15	9		15	9

The study of French or German must be continued through the two years. Mathematics 1 is a prerequisite to Physics 1. The following subjects are recommended as electives for the second year: Advanced Biology, Psychology, Economics, History, Political Science, Sociology, Latin, Greek.

PRE-DENTAL COURSE

The following course of study extending through one college year is offered to meet the requirements of the National Association of Dental Faculties for admission to recognized dental schools.

	HOURS PER WEEK			HOURS PER WEEK	
	REC.	LAB.		REC.	LAB.
English 1	3		Restricted Elective	3	
Chemistry 1	3	5	Free Elective	3	
Biology 1	3	4			

The restricted elective must be chosen from the following group, namely, Physics, Mathematics, History, French, German. The free elective may be any subject which the student is qualified to take.

SPECIAL COURSES

Students who may not desire to pursue any of the regular courses of the College, but prefer to elect from the various departments the courses which seem best to meet their particular needs, will be permitted to do so under the following regulations:

1. The applicant must satisfy the full requirement of fifteen units for admission, or be at least twenty years of age.

2. His admission to any given course must be approved by the professor concerned, and his program of studies, as a whole, must be approved by the Committee on Course of Study.

3. He must satisfy the prerequisites of any course to which he is admitted.

4. He shall not be a candidate for any degree.

Special Course students often spend time and money enough to secure a degree, if they had taken a regular course on entering college. Students are advised of the advantage of keeping their course of study regular even when they may not expect to complete the requirement for a degree.

DEPARTMENTS OF INSTRUCTION

The Departments of Instruction as here arranged present in convenient form the aims and methods of instruction and the subjects studied. Large classes are divided into sections in order to insure thorough instruction.

Unless otherwise stated, the courses described below run throughout the college year.

ENGLISH

PROFESSOR MOREHEAD
MR. CHAPMAN

The faculty are impressed with the pre-eminent importance of a thorough study of English. It is borne in mind that the student's mother tongue should claim the first place in any system of education; that not only are the youth of our country destined to employ the English language almost exclusively for practical purposes, but that it is also to serve in large measure as the medium of their culture; that their future literary studies will, in most cases, be confined to the great works of their own tongue; and that a mastery of that tongue is the highest literary attainment.

Two objects are kept steadily in view: first, to aid the student in acquiring a ready and correct use of English; second, to cultivate a taste and love for good literature by the study of standard authors. Due attention also is given to the subject of historical grammar and to the theoretical study of the language according to modern methods. The resources of the library are brought into requisition, and an effort is made to accustom the student to the use of books and to familiarize him with modern methods of research.

1. **Advanced Rhetoric and Composition.**—Types of Prose Literature. Required for Freshmen. *Three hours a week.*

2. **Literary Criticism.**—Types of English Poetry. Required for Sophomores. *Three hours a week.*

3. **Elizabethan Literature; Victorian Literature.**—Elective. *Three hours a week.*

4a. **The English Novel.**—Elective. First semester. *Three hours a week.*

4b. **The English Drama.**—Elective. Second semester. *Three hours a week.*

5a. **The English Romantic Movement.**—Poetry. Elective. First semester. *Three hours a week.*

5b. **The English Romantic Movement.**—Prose. Elective. Second semester. *Three hours a week.*

6a. **Old English.**—Beowulf. Elective. First semester. *Three hours a week.*

6b. **Middle English.**—Chaucer and his school. Elective. *Three hours a week.*

31. **Journalism.**—The course in journalism comprises news writing and the study of the structure and the various forms of news stories, the history of American journalism, short story writing, analysis of the editorial, and basic principles of advertising. *Three hours a week.*

LATIN

PROFESSOR WAGENER

The objects toward which instruction in this department is directed are a competent reading knowledge of the language and an intelligent appreciation of its literature. The character and extent of the dependence of English upon Latin are properly emphasized and the effort is made to relate the literature and thought of the Romans to modern interests.

In Latin 2, by means of lectures and the study of texts, a general survey of the history of Roman Literature is given; while in Latin 3 and 4, a special study is made of certain departments. Stress is laid in each course upon the reading of Latin at sight.

C. **Cicero.**—Orations and letters. Portions of Sallust, *Conspiracy of Catiline* and selections from Ovid, *Metamorphoses* are read. Syntax and composition. Prerequisite, two units. Credit, six semester hours. *Four hours a week.*

1. a. **Livy.**—Book I, with selections from the later books; or selected passages from Roman historians. A study of the founding and growth of Rome, of her history and institutions. Prose Composition. *Three hours a week. First semester.*

   b. **Vergil,** *Æneid* and **Horace,** *Odes*—A study of meters, of Greek and Roman mythology, and of the influence of the Roman poets upon English literature. Prose Composition. *Three hours a week. Second semester.*

   Required for the A. B. degree. Prerequisite, four units of Latin or two units of Latin and Latin C.

2. a. **Pliny's** *Letters* and **Tacitus,** *Agricola* or *Germania. Three hours a week. First semester.*

   b. **Selections from Latin Poets.**—Especial attention is given to Catullus, Tibullus, Propertius, and Ovid. *Three hours a week. Second semester.*

   Parallel Reading.—Cicero, De Senectute or De Amicitia. The history of Roman Literature is studied throughout the year. Elective. Prerequisite, Latin 1 or the equivalent.

3. **Satire and History.**—Horace, *Satires and Epistles;* Juvenal; Tacitus, *Annals;* Suetonius, *Life of Augustus.* Parallel reading: Martial, *Epigrams*; additional selections from Horace and Tacitus. Elective. Prerequisite, Latin 2 or the equivalent. *Three hours a week.*

4. **Drama and Philosophy.**—Plautus, *Captivi;* Terence, *Andria;* Cicero, *De Officiis;* Seneca's *Essays and Letters.* Parallel reading: Terence, *Phormio;* Cicero, *First Tusculan.* Elective. Prerequisite, Latin 2 or the equivalent. *Three hours a week.*

   Latin 3 and 4 are given in alternate years.

5. **Roman Public and Private Life.**—A course of general value on Roman topography, institutions, art, and private life. Lectures, parallel reading, and reports. Elective. *One semester. Three hours a week.*

6. **Latin Composition.**—A thorough review of Latin forms and syntax, and a study of advanced prose composition. Intended primarily for those who expect to become teachers of Latin. Elective. *One semester. Three hours a week.*

GREEK

PROFESSOR WAGENER

The instruction in this department has mainly in view: first, a knowledge of the Greek language with an appreciation of its

rare excellence as a means for the expression of ideas; and secondly, an acquaintance with Greek literature and thought. In the furtherance of the latter object, work in the original is supplemented by extensive use of the best translations. The study of Greek history and life is introduced into each course. Greek art is included in the course in Fine Arts. The work in New Testament Greek is intended, not only as an introduction to the work of the Theological Seminary, but also for the layman, as a stimulus to the more general reading of the New Testament in the original language. The Greek elements in English also receive due consideration.

1. **Elementary Greek.**—A course in forms, syntax, and translation for beginners. A portion of Xenophon, *Anabasis*, Book 1 is read during the second semester. *Four hours a week.*

2. **Xenophon and Homer.**—Portions of the *Anabasis* or the *Cyropaedia* and one or more books of the *Iliad* are read. Syntax and prose composition throughout the year. Parallel reading from translations. Prerequisite, Greek 1 or the equivalent. *Three hours a week.*

3. **Philosophy, History, and New Testament.**—Plato, *Apology*, *Crito*, and *Phaedo;* Thucydides, Book VII. A study of the departments concerned, together with parallel reading from translations. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

4. **Drama and New Testament.**—Sophocles, *Oedipus Tyrannus*; Euripides, *Medea;* Aristophanes, *Clouds*. A study of the Greek drama, together with parallel reading from translations. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

5. **Oratory and New Testament.**—Lysias, selected speeches; Demosthenes, *On the Crown*. Additional speeches are read in translation. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

Of Courses **3**, **4**, and **5**, one will be given each year in accordance with the requirements of the class.

FINE ARTS

PROFESSOR WAGENER

1. **History and Appreciation of Architecture, Sculpture, and Painting.**—The development of Western art including architecture, sculpture, and painting will be traced historically and a basis given for intelligent artistic appreciation. Greek, Roman, medieval, and modern art are included in this course. Illustrated lectures, recitations, and papers. Elective for Seniors. *Three hours a week for one semester.*

GERMAN

PROFESSOR BYERS

This course is designed to furnish the student the valuable mental discipline to be derived from thorough linguistic study, while training his ear and tongue in the spoken language and enabling him to read German understandingly without translating. A general acquaintance with the several important epochs of German literature, and some appreciation of the works of the great literary geniuses of Germany are sought after, and the effort is made to render it possible for the student to read with ease the works of the great scholars of Germany in whatever field of study he may desire later to engage.

A. **Elementary Grammar,** composition, reading, and conversation. Four hours a week throughout the year. A credit of six semester hours will be given for this course to those who have not offered German for admission.

1. **Intermediate German.**—Reading of suitable texts; composition; oral work; vocabulary building; grammar; parallel reading. Prerequisite, two units of German. *Three hours a week.*

2. **Classical Authors.**—Lessing, Schiller, Goethe. Composition. Parallel reading. Oral work. Literary history of the period. *Three hours a week.*

3. **Early Nineteenth Century Readings.**—Kleist, Grillparzer, Hebbel, Heine, Uhland. Composition. Oral work. Parallel reading. Literary history of the period. *Three hours a week.*

4. **Scientific German.** Reading of scientific matter; composition; vocabulary building; parallel reading; study of chief German scientists—their contribution to scientific knowledge. *Three hours a week.*

German 2, 3, and 4 are given in successive years.

ROMANCE LANGUAGES

PROFESSOR SCHUMACHER

The instruction in French and Spanish, while treating these languages as means of intellectual discipline and as of practical value, aims at enabling the student to approach its foremost object, the study of French and Spanish civilizations as they are represented in their literatures, without the interposition of English.

FRENCH

A. **Elementary Grammar,** composition, reading, and conversation. Four hours a week throughout the year. A credit of six semester hours will be given for this course to those who have not offered French for admission.

1. **Intermediate French.**—Review of French Grammar; the reading of about 500 pages of fiction and modern prose drama; composition and conversation based on appropriate prose extracts; exercises in pronunciation and dictation; private reading. Prerequisite, two units of French. *Three hours a week.*

2. **Classical French Drama.**—Corneille, Racine, and Molière. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

3. **French Novel.**—Balzac, Dumas, Hugo, France, and Zola. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

4. **French Short Story and Modern Drama.**—Maupassant, Daudet, Merimée, Rostand, Maeterlinck. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

French **2, 3,** and **4** are given in successive years.

SPANISH

A. **Elementary Grammar,** composition, reading and conversation. Four hours a week throughout the year. A credit of six semester hours will be given for this course to those who have not offered Spanish for admission.

1. **Intermediate Spanish.**—A review of Spanish grammar; the reading of modern prose fiction and drama; composition and conversation. Prerequisite, two units of Spanish. *Three hours a week.*

2. **A Reading Course** in texts illustrating the history and literature of the South American Republics. Composition, commercial correspondence, and definite work in conversation based on a direct method text. *Three hours a week.*

3. **Modern Readings.**—Alarcon, Echegaray, Galdos, Valera, Pardo Bazan, Valdes; oral and written composition; conversation. *Three hours a week.*

4. **Classical Spanish Writers.**—Lope, Calderón, Alarcón, Cervantes. Literary history of the period. *Three hours a week.*

Spanish 2, 3, and 4 are given in successive years.

HISTORY AND POLITICAL SCIENCE

PROFESSOR BROWN
MR. PRUFER

HISTORY

The courses in this department cover European, English, and American history. The serious student is aided in the attainment of a perspective through which to view modern problems, and is trained in that critical insight which is characteristic of the historical point of view. To this end emphasis is placed upon the problems rather than merely upon the events of the past, and the exercise of the memory is subordinated to the stimulation of rational judgment. Considerable attention is given to constitutional and political problems and the attempt is made to avoid the common mistake of ignoring contemporary history. Collateral reading is required in all the classes; class discussion is given more prominence than lectures, and independent work is encouraged. Oral reports by students and substantial papers on topics of original investigation are important features of the advanced courses.

1. **Medieval and Modern Europe.** A general survey of European history from the disintegration of the Roman Empire to the present time. The main points in English history are included. Prerequisite, Ancient history. Freshmen are required to take either History 1 or History 2. *Three hours a week.*

2. **United States History.**—The history of the American nation from the period of discovery to the present time. Reference work required. Elective for Sophomores and Juniors. *Three hours a week.*

3. **Economic History of the United States.**—A study of the industrial, commercial, financial, and agricultural development of the United States with emphasis upon current economic problems. Elective for Sophomores. Prerequisite, History 1. *Three hours a week.*

POLITICAL SCIENCE

The courses in political science are planned so as to allow two years of continuous work, beginning with the course in the elements. In the instruction two main objects are kept in view: first, to set forth the problem of government as a problem; second, to show how the leading states of the world have met it.

1a. **Elements of Political Science.**—A course in political theory. Open to Sophomores and Juniors. *Three hours a week, first semester.*

1b. **European Government.**—A study in European political institutions, including the historical origins and development of the governments of many of the large and small European states. Open to Sophomores and Juniors. *Three hours a week, second semester.*

2a. **State and Municipal Government in the United States.**—It is the purpose of this course to discuss the organization of local governments and the distribution and operation of their powers and functions. Open to Juniors and Seniors. *Three hours a week, first semester.*

2b. **The National Government of the United States.**—This course will show the historical origins and the development of our national political institutions and present a picture of the actual workings of the government. Open to Juniors and Seniors. *Three hours a week, second semester.*

3. **International Law.**—A study of the development of international law and diplomacy, beginning with Hugo Grotius and extending to the present time. Open to Juniors and Seniors. *Three hours a week.*

BUSINESS ADMINISTRATION

PROFESSOR NEWMAN
MR. MANN
MR. KEISTER

The chief aims of this department are to train men for leadership in the business world; to offer preparation for the study of law; and to afford men who are majoring in other departments of the College the opportunity to improve their general culture and preparation for useful citizenship.

1. **Commercial Industries.**—A study of the principal trade currents and a survey of the industries supplying the major commodities of world trade. Open to Freshmen. Required for all Freshmen majoring in Business Administration. *Three hours a week.*

2. **Principles of Economics.**—The fundamental problems of production, distribution, and consumption. Open to Sophomores and Juniors. Required for all Sophomores majoring in Business Administration. *Three hours a week.*

3. **Money and Banking.**—The principles of money as illustrated by the monetary history of modern nations. Banking principles and systems; the Federal Reserve System. Prerequisites, Business Administration 2, and History 3. Required for all Juniors majoring in Business Administration. *Three hours a week.*

4. **Problems in Business Administration.**—The study and investigation of selected problems in employment, wage agreements, advertising costs and methods, marketing organizations, speculation, taxation, etc. Open to Seniors. Required for all Seniors majoring in Business Administration. *Three hours a week.*

5. **Accounting.**—A study of the principles of accounting, especially as related to the problems of business administration. Elective for Juniors and Seniors. *Three hours a week.*

6. **Business Law.**—The principles of the law, contracts, partnerships, corporations, sales, negotiable instruments, property. Elective for Juniors and Seniors. *Three hours a week.*

7a. **Business Organization.**—A study of the partnership, association, joint stock company, trust, corporation, and other forms of business organization. Elective for Juniors and Seniors. *Three hours a week, first semester.*

7b. **Corporation Finance.**—A study of the types of securities issued by business corporations and of the financial problems of large business enterprises. Elective for Juniors and Seniors. *Three hours a week, second semester.*

8. **American Railways.**—An historical study of railway organization, finance, rates, and regulation in America. Elective for Juniors and Seniors. Prerequisite, History 3. *Three hours a week.*

Economic History of the United States. See History 3.

Economic Geology. See Geology 2b.

PHILOSOPHY

PROFESSOR FOX

The aim of this department is to lead the student to profound and independent thought. The spirit pervading the courses is philosophical. The work is commenced with the study of psychology, to which the first year is devoted. The student is drilled in the fundamental principles of all knowledge, taught how to study his consciousness by both introspective and objective methods, and thus equipped he is led to the investigation of various systems of philosophy and ethics. Christian Apologetics include Natural Theology, Christian Evidences, and the Evidence of a Future Life. The study in Natural Theology and in the Evidence of a Future Life is philosophic; in Christian Evidences, historical and critical. The student is brought to a clear and practical knowledge of the grounds upon which faith in our religion rests.

In the study of the History of Philosophy something more is sought than a mere acquaintance with the philosophic systems of the past. The student is brought by criticisms of errors to reach a true conception of the meaning of the universe.

1. **Psychology.**—Textbook and lectures. Required for Juniors. *Three hours a week.*
2. **History of Philosophy.**—Elective for Seniors. *Three hours a week.*
3. **Evidences of Christianity and Ethics.**—Textbook and lectures. Required for Seniors. *Three hours a week.*

SOCIOLOGY

1. **The Elements of Sociology.**—Elective for Juniors and Seniors. *Three hours a week, one semester.*

ENGLISH BIBLE

PROFESSOR FOX

The study of the English Bible is pursued throughout the Sophomore year as a part of the work required for graduation.

1a. The Life of Christ.—The Gospel according to St. Luke is the basis of this course. *First semester, three hours a week.*

1b. New and Old Testament History.—The Acts of the Apostles is the main basis of this course. There is also a special study of the Epistle to the Hebrews. *Second semester, three hours a week.*

MATHEMATICS AND ASTRONOMY

PROFESSOR CARPENTER
MR. KINSEY

It is recognized in the general work of this department that its various courses are to cultivate in the student habits of systematic and accurate thinking, as well as to furnish knowledge needed in handling practical problems that may arise in his college work and in his future career. Such habits together with this knowledge, it is believed, will tend to bear fruit in the neatness, carefulness, and precision in the work and life of the thorough student.

Independent effort is always encouraged, and original solutions and demonstrations form an important part of each course. The student is introduced, according to his ability, to mathematical works beyond those of the course and to present-day work and workers in this department.

MATHEMATICS

1a. Solid Geometry.—Required for Freshmen who do not offer Solid Geometry for admission. *Three hours a week, first semester.*

1b. Plane Trigonometry.—A mastery of the properties and relations of the six trigonometric functions and of the principal formulas necessary for the solution of triangles; the theory and use of logarithms. Required for Freshmen who do not offer Trigonometry for admission. *Three hours a week, second semester.*

2a. **Algebra.**—Theory of equations, the principle of undetermined coefficients, permutations, probability, determinants. *Three hours a week, first semester.*

2b. **Analytic Geometry.**—A study of linear, quadratic, and cubic polynomial functions; the geometry of the line and circle. The notion of the derivative is introduced and the concept of functionality is emphasized. *Three hours a week, second semester.*

Mathematics 2a and 2b are open to Freshmen who have offered the equivalent of Mathematics 1a and 1b for admission.

3a. **Differential Calculus.**—Prerequisite, the equivalent of Mathematics 2. *Three hours a week, first semester.*

3b. **Advanced Analytic Geometry.**—Cartesian and polar coördinates, the general equation of the second degree, conic sections, parametric representation. *Three hours a week, second semester.*

4a. **Integral Calculus.**—*Three hours a week, first semester.*

4b. **Advanced Calculus.**—An advanced course in differential and integral calculus, including simple differential equations with applications to physics and theoretic mechanics. *Three hours a week, second semester.*

22. **Plane Surveying.**—The elements of plane surveying, including field work, computation of areas by latitudes and departures, mapping, lettering. Leveling. Elective. Prerequisite, trigonometry. *Three hours a week, second semester.*

ASTRONOMY

1. **Descriptive Astronomy.**—Elective for Juniors and Seniors. Prerequisite, Mathematics 1 or the equivalent. *Three hours a week. First semester.*

BIOLOGY

PROFESSOR PEERY

The work of this department aims to give to all students useful knowledge of general cultural value, and to give necessary preparation to those desiring advanced work in professional schools or universities. The method of instruction combines lectures, demonstration, references to various standard works, study of textbooks, recitations, and laboratory and field work.

1a. Animal Biology.—This course consists not merely in the study of type forms, but deals primarily with the fundamental principles of biology as related to animals. It takes up such questions as physiology of cells, physiology of organs, reproduction, breeding habits of animals, embryology, genetics, and evolution. Textbook, Shull's Principles of Animal Biology. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

1b. Plant Biology.—This course is limited primarily to the morphology, physiology, and economics of seed plants. However, the fundamental principles of biology underlying all plant life are kept constantly in view. In the latter part of this course sufficient work is done in plant classification to enable the student to become familiar with some of the more common plants and with the use of manuals. Textbook, Ganong's Botany for Colleges. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

2. General Zoölogy.—A survey of the whole field of zoölogy. The different types of animals are studied in order that a clear understanding may be had of their comparative anatomy, their physiology, and their relation to man. Textbook, Hegner's College Zoölogy. Prerequisite, Courses 1a and 1b. Fee, $10; breakage extra. *Class work, three hours a week; laboratory, four hours a week.*

3a. Cryptogamic Botany.—A study of the morphology, physiology, evolution, and taxonomy of the Thallophytes, Bryophytes and Pteridophytes. Prerequisite, Courses 1a and 1b. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

3b. Advanced Physiology.—Intended for those students who desire a more thorough knowledge of the human body, and particularly for students intending to study medicine. Prerequisite, Courses 1a and 1b. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

Course 2 and Courses 3a and 3b are given in alternate years.

4a. General Bacteriology.—This course is intended primarily for the student who has medicine in view, although it should be valuable to the general student since it has no special reference to any particular application. It deals with the structure, development, distribution, and properties of bacteria and their relation to animal and plant life. Prerequisite, Courses 1a, 1b, and 2. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

4b. Vertebrate Embryology.—A study of the development of the frog, the chick, and the pig. The course should be taken by all students preparing for medicine. Prerequisite, Courses 1a, 1b, and 2. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

GEOLOGY

PROFESSOR DOUB

The courses in geology are designed not only to give a general knowledge of the science, but to serve as a foundation for those who may desire to pursue the subject further. The effort is made to acquaint the student with the underlying principles and main facts of the science by means of lectures, recitations, and observations in the field. Advantage is taken of the fact that this section of country offers to the student unusual opportunities for the study of dynamic, structural, and historical geology.

1a. **Dynamical and Structural Geology.**—A study of the facts and principles concerning the various natural agents which operate upon the earth, and modify its outer portion. An account of the nature, properties, relations, and positions of the component rock masses of the outer part of the earth. *First semester, three hours a week.*

1b. **Mineralogy.**—A study of the origin, composition, and properties of the inorganic chemical compounds which exist already formed in the earth's crust. Prerequisite, Geology 1a and Chemistry 1. *Second semester, three hours a week.*

2a. **Historical Geology.**—The course includes paleogeography, a study of the varied dispositions of the land and sea and their character in former ages, and paleontology, which deals with the successions of organic life which have inhabited the earth. *First semester, three hours a week.*

2b. **Economic Geology.**—This course deals chiefly with the use of the materials of the earth's crust in the service of mankind, and with the application of geological facts and principles in obtaining these materials. Prerequisite, Geology 2a. *Second semester, three hours a week.*

CHEMISTRY

PROFESSOR JOHNSON
MR. SMITH
MR. KINSEY

The facilities offered by this department are developed to meet various requirements. Class and laboratory sections are formed for chemical, liberal arts, engineering, and pre-medical

students. The instruction given in the four year chemist's schedule is general, rather than adapted to any line of industrial chemistry, for experience has shown that thorough general training during the first few years of chemical study is best. Practical experience necessary for proficiency in industry can be obtained only by direct connection with that industry; but high proficiency in industrial chemistry is seldom attained except by those having a broad preliminary training.

An arrangement has been made through the courtesy of the owners of tanning, sulphuric acid, textile, iron and steel, glass, pottery, and other industries, whereby practical instruction may be given.

Pre-medical and chemical engineering students should elect chemistry in their Freshman year.

Graduate courses and facilities for research are provided for those students pursuing the course leading to the degree of Master of Arts.

Laboratory Fees in Chemistry: $6.50 a semester for each course, $15 a semester for graduate students majoring in chemistry. Apparatus broken and excessive amounts of chemicals used by the student are also charged to him. The general breakage deposit of $5 is returned to the student at the end of the session, minus breakage charges; but in any case the total amount of breakage must be paid by the student.

1. **General and Inorganic.**—Required of chemical and pre-medical students. Text: College Chemistry, McPherson and Henderson or Alexander Smith. Qualitative Analysis, Johnson's Manual, during the last 8 weeks. *Class work, three hours a week; laboratory, five hours a week.*

2. **Qualitative Analysis.**—Text: Johnson or Noyes. *Six weeks.*
   Volumetric Analysis.—Text: Johnson; Allen. *Eighteen weeks.*
   Gravimetric Analysis.—Text: Mahin. *Twelve weeks.*
   Required of chemical and pre-medical students. *Class work, two hours a week; laboratory, six hours a week.*

3. **Organic Chemistry.**—Text: West or Norris. *Twenty-four weeks.*
   Physical Chemistry.—Text: Lincoln. *Twelve weeks.*
   Required of chemical and pre-medical students. *Class work, three hours a week; laboratory, five hours a week.*

4. **Quantitative Analysis.**—Texts: Scott and others, bulletins and technical problems. *Seminar, one hour a week; laboratory, eight hours a week.*

5. **General Theoretical and Physical Chemistry.**—Text: Lincoln or Walker. *Lectures, three hours a week, one semester; laboratory, four hours a week, two semesters.*

   This course is offered in even years, e. g., 1921-22.

6. **Colloid Chemistry.**—Text: Bancroft. *Lectures, three hours a week, one semester; laboratory, four hours a week, two semesters.*

   This course is offered in odd years, e. g., 1922-23.

7. **Chemical Engineering.**—Text: Rogers. *Lectures and reports, three hours a week, one semester.*

8. **Advanced Quantitative Analysis.**—The following subjects may be elected for the number of semester hours indicated. The total credit for one year shall not exceed twelve semester hours. No credit will be given for less than six semester hours or 204 laboratory hours.

a. **Electro-Analysis,** *four hours.*
b. **Micro-Analysis,** *four hours.*
c. **Organic Analysis,** *three hours.*
d. **Food Analysis,** *three hours.*
e. **Water Analysis,** *four hours.*
f. **Milk and Milk Products,** *two hours.*
g. **Iron and Steel,** *three hours.*
h. **Soils and Fertilizers,** *four hours.*
i. **Analysis of Other Materials,** subject to approval.

Prerequisite, Courses 1, 2, and 4.

In order to receive college credit for this course the student must work in the laboratory a minimum of 408 hours distributed over a period of thirty-four weeks.

PHYSICS

PROFESSOR DOUB

The effort is made to have the student clearly develop and fix in mind the fundamental laws and principles of physical science, not only for practical and cultural purposes, but as the ground work for further study in any pure science, engineering, medicine, or as a preparation for teaching.

1. **The General Principles of Physics.**—A course in the general principles of physics, embracing mechanics, heat, sound, light, electricity, and magnetism. Prerequisite, Trigonometry. Laboratory fee, $5. Elective. *Class work, three hours a week; laboratory, four hours a week.*

2. **Advanced Physics.**—An advanced course in selected topics, including a brief course in radio communication. Laboratory fee, $5. Elective. Prerequisite, Physics 1. *Class work, three hours a week; laboratory, four hours a week.*

EDUCATION

PROFESSOR SMITH
DR. KOLMER

Since its foundation, the College has taken an interest in popular education. From year to year a large number of its students and graduates have taken up the vocation of teaching.

The chief aims of the department are to give instruction in the principles and administration of secondary education, methods of teaching, educational measurements, and health responsibilities.

The method of instruction consists of lectures, textbook and parallel reading assignments, student reports and discussions, and practical demonstrations of educational measurements.

21. **Supervision and Administration of High Schools. Methods of Teaching in High Schools. Educational Measurements.**

These courses are designed (1) to acquaint students with recognized authority on questions pertaining to primary and secondary education, (2) to give practical assistance to those expecting to become superintendents, principals, and teachers.

School Hygiene.—This course consists of instruction in physical defects and their control, physical education, personal hygiene, contagious diseases and their control, first aid to the injured, the ideal health staff, health of the teacher, community health, and care of the school plant, and is given in accordance with the requirements of the West Bill as prescribed by the State Board of Education and approved by the State Board of Health. The course embraces illustrated lectures, assignments, quizzes, and practical tests. *Three hours a week, one semester.*

31. **History of Education.**—This course is planned to give the student a general survey of education in its historical development. The

aims, content, ideals, methods, tendencies, and results of education during the three periods, before the middle ages, during the middle ages, and in modern times, receive special attention. *Three hours a week, one semester.*

PUBLIC SPEAKING

Through the aid of the two literary societies, the Demosthenean and the Ciceronian, the College endeavors to interest and instruct students in the power of elegant and effective speech. The regular meetings of the societies are held on Monday evening of each week. The programs of these meetings give the students practice in various forms of public speaking, including declamation, oratory, extemporaneous speaking, and debate.

Every student who is a candidate for a degree is required, through his Freshman and Sophomore years, to be a member of one of the societies and to furnish, finally, credit for attendance upon thirty-six meetings, and for satisfactory performance at eighteen of them.

PHYSICAL TRAINING

MR. CRAFT

The College recognizes the great importance of physical development and encourages students to participate in those forms of exercise which are best suited to their individual needs and capacities. Excellent facilities for systematic physical training are provided in a well-equipped gymnasium which is in charge of a competent instructor.

Students of the Freshman and Sophomore classes are required to take physical training under the instructor for two hours a week as an essential part of their regular work and of the requirement for the degree. The work of each student is graded and those failing to make a satisfactory record are required to repeat the course.

Students who are members of any athletic team of the College are excused from attendance upon the course in Physical Training during the time in which they are engaged in active practice.

GENERAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00	Bible 1 English 3 Geology 1 Bus. Ad. 1 Bus. Ad. 6	Biol. 1B English 1A History 2 Philosophy 3 Chem. 1B Latin 2	Bible 1 English 3 Geology 1 Bus. Ad. 1 Bus. Ad. 6	Biol. 1B English 1A History 2 Philosophy 3 Chem. 1B Latin 2	Bible 1 English 3 Geology 1 Bus. Ad. 1 Bus. Ad. 6	Biol. 1B English 1A History 2 Philosophy 3 Chem. 1B Latin 2
9:00	History 1 Physics 1 English 2 Math. 4 Bus. Ad. 5 Philosophy 2	French A Philosophy 1 Eng. 1B Math. 1B Bus. Ad. 2 Chemistry 2 Pol. Sci. 2	History 1 Physics 1 English 2 Math. 4 Bus. Ad. 5 Philosophy 2	French A Philosophy 1 Eng. 1B Math. 1B Bus. Ad. 2 Chemistry 2 Pol. Sci. 2	History 1 Physics 1 English 2 Math. 4 Bus. Ad. 5 Philosophy 2	French A Philosophy 1 Eng. 1B Math. 1B Bus. Ad. 2 Chemistry 2 Pol. Sci. 2
10:00	German 1 Greek 4 French 3 Math. 2 Bus. Ad. 7	German A Greek 1 Chem. 1A Math. 3 Bus. Ad. 8 English 4 Biology 4	German 1 Greek 4 French 3 Math. 2 Bus. Ad. 7	German A Greek 1 Chem. 1A Math. 3 Bus. Ad. 8 English 4 Biology 4	German 1 Greek 4 French 3 Math. 2 Bus. Ad. 7	German A Greek 1 Chem. 1A Math. 3 Bus. Ad. 8 English 4 Biology 4
11:00	CHAPEL EXERCISES					
11:30	Spanish 1 Latin C English 31 Pol. Sci. 1 Physics 2 Math. 1A Bus. Ad. 4	Spanish A Latin 1 English 1C Biology 2 Astron. (1S) Math. 22(2S) History 3	Spanish 1 Latin C English 31 Pol. Sci. 1 Physics 2 Math. 1A Bus. Ad. 4	Spanish A Latin 1 English 1C Biology 2 Astron. (1S) Math. 22(2S) History 3	Spanish 1 Latin C English 31 Pol. Sci. 1 Physics 2 Math. 1A Bus. Ad. 4	Spanish A Latin 1 English 1C Biology 2 Astron. (1S) Math. 22(2S) History 3
12:30	French 1 German 2 Bus. Ad. 3 Soc. 1 (1S) Fine Arts	Biology 1A Greek 2 Chemistry 3	French 1 German 2 Bus. Ad. 3 Soc. 1 (1S) Fine Arts	Biology 1A Greek 2 Chemistry 3	French 1 German 2 Bus. Ad. 3 Soc. 1 (1S) Fine Arts	Biology 1A Greek 2 Chemistry 3
1:30	DINNER HOUR					
2:00	German A Greek 1 Phys. 1 Lab. Phys. 2 Lab.	Biol. 1 Lab. Chem. 2 Lab.	French A Chem. 1 Lab.	Biol. 2 Lab.	Spanish A	

EXPENSES

REGULAR COLLEGE FEES

	HALF SESSION	WHOLE SESSION
Tuition Fee	$37.50	$75.00
Incidental Fee (for general college expenses)	7.50	15.00
Gymnasium Fee	3.00	6.00
Library Fee	2.50	5.00
Athletic Fee	5.00	10.00
Medical Fee	2.00	4.00
Contingent Deposit (returnable, less damage)	5.00	5.00
Total	$62.50	$120.00

SPECIAL FEES

Laboratory fees in the science courses are given in connection with the outline of such courses under the catalogue heading "Departments of Instruction."

In addition a breakage deposit of $5 for the year is required of all men registering for scientific courses. Any unused portion of this deposit is returned to the student after the close of the session.

Students are required in all cases to return to college after all vacation periods in time for their first class on the day of the resumption of work. Each student failing to do so will be charged $1 for the first day or part of a day of such tardiness, and $1 for each additional day, except, in no case, will such charges total more than $5.

Students failing in examinations and applying for re-examination will be charged a fee of $2.00 for each re-examination. No professor is authorized to re-examine any student until the said student presents to him a written receipt from the Treasurer of the Faculty showing that this fee has been paid.

All applicants for admission to the College, whether new students or those of a former session, must matriculate during the two days assigned for registration or within twenty-four

hours after reaching Salem, or pay a special matriculation fee of $2.50.

All candidates for degrees must deposit with the Treasurer of the Faculty at the beginning of the second semester, a diploma fee of $5.

The contingent deposit of $5 paid by all students is returned after the close of the session, less any charges for damage to college property or to the property of citizens of Salem.

EXEMPTION FROM FEES

A student who receives a scholarship is exempt from the payment of the tuition fee of $75 for the session, but is liable for all other fees and charges. No exception can be made to this rule.

The sons of clergymen of all denominations actually engaged as pastors or teachers are granted a remission of one-half the regular tuition fee.

Candidates for the Ministry of the Gospel who are certified by competent ecclesiastical authority and who maintain a consistent character, are granted a remission of one-half the regular tuition fee. A candidate who fails to enter the ministry and to serve five years therein will be required to pay the fees remitted.

These exemptions to ministerial students and to ministers' sons may be withdrawn by the faculty whenever in their judgment the recipient proves himself unworthy.

Students entering late in any semester are granted no reduction of fees, except that, if such delay in entrance exceeds six weeks, the tuition fee only is pro-rated for the actual time spent in college.

RETURN OF FEES

When in the opinion of the College Physician the health of a student obliges him to leave college, whatever portion of the tuition has been advanced by the student is refunded to him by the Treasurer of the Faculty. But in no case are other fees refunded.

Students who voluntarily withdraw from college during the semester or who are dropped by the faculty thereby forfeit all fees.

ROOMS IN THE DORMITORY

The college dormitory is strictly modern in every respect. A choice between single rooms and suites containing a study and two bedrooms may be had. When two occupy a room or suite, rent, including steam heat, electric light, daily attention to room, and necessary furniture—except bed clothing—will cost each student from $4.25 to $9.25 per month. These rates include free access to hot and cold shower baths, which may be found on each floor in each section of the dormitory.

All students will be required to room in the dormitory except upon special permission from the Dean of the College, and then only upon written application and statement of reasons which shall in the Dean's judgment warrant the granting of such permission.

ASSIGNMENT OF ROOMS

Rooms will be assigned under the following regulations:

1. A student, in order to retain his room for the next session, must notify the Superintendent of Buildings and Grounds in writing on or before May 10th.

2. The room thus engaged will be retained until the 10th of August, when it will be released, unless $5 shall have been deposited with the Superintendent of Buildings and Grounds. This deposit is required of each holder of a room. The deposit for a double room, therefore, is $10.

3. After May 10th all rooms not applied for will be assigned in the order of applications. After August 10th all rooms or parts of rooms engaged but not deposited for will be assigned to others in the order of applications, but in order to hold a room until the opening day the deposit must be made.

4. The deposit of $5 will be credited on the current rent for the room. If the applicant finds it impossible to attend college, the deposit will be refunded, provided that notification of the release of the room is given by September 10th; otherwise, the deposit will be forfeited.

5. A room assigned and deposited for will be held for the applicant until the seventh day after the opening of the session. If at the end of the seventh day the applicant is not present to

claim the room, the deposit will be forfeited and the room declared vacant.

After selecting rooms students will not be permitted to change them without previous permission from the Dean.

Students will be held responsible for disorderly behavior in their rooms.

All damage to college property will be assessed upon the students as a body, unless paid for by those doing the damage.

BOARD AT COLLEGE COMMONS

The new College Commons has a large dining room with seating capacity for 200 boarders. Board will be furnished at actual cost. The cost of board for the session of 1922-1923 should be between $20 and $25 per month. All students will be required to board at the College Commons, except when special permission is granted by the Dean of the College, and then only upon written application and the statement of reasons which in the judgment of the Dean will warrant the granting of such permission.

Only under most exceptional circumstances will students be permitted to room and board off the campus. All places of rooming and boarding must be approved by the faculty. In no cases will students be permitted to board or room at hotels, restaurants, or public boarding houses.

No deduction will be made from the charges for board at the College Commons, unless the student applying for same has been unavoidably absent for a period of at least six consecutive days, and has given previous notice to the head-waiter of the exact time of such absence.

SUMMARY OF PROBABLE NECESSARY EXPENSES

	LOW	MODERATE	HIGH
Tuition fee, nine months	$ 75	$ 75	$ 75
Incidental fee, nine months	15	15	15
Library fee, nine months	5	5	5
Gymnasium fee, nine months	6	6	6
Room rent, etc., nine months	38	56	85
Table board, nine months	180	210	225
Laundering, nine months	18	27	36
Athletic fee, nine months	10	10	10
Medical fee, nine months	4	4	4
Total for the nine months	$351	$408	$461

There are certain other fees which are paid by the majority of students in connection with the various student organizations, as the literary societies, the Y. M. C. A., etc., but these are optional.

TIME OF PAYMENT

Each student should come prepared to pay his fees for the first semester and his first month's board and room rent. These will amount to between $90.00 and $100.00, according to style of living and courses elected.

Fees are payable one-half on matriculation and one-half on February first. Board and rent are payable monthly in advance, on the fifteenth of the month. Unless accounts are paid within fifteen days of the date due delinquents will be debarred from class attendance until satisfactory arrangements are made and a permit from the Treasurer is obtained. All such class absences are counted as "cuts" and will be deducted from the regular gratuities.

BOOKS

The cost of books depends upon the studies pursued. Books are sold at the College Store and for cash only at the publishers' list prices. Second-hand books may frequently be purchased at lower prices.

GENERAL REGULATIONS

THE COLLEGE YEAR

The annual session begins on the Wednesday nearest the 14th of September and closes on the Wednesday nearest the 14th (13th in leap years) of June.

The session is divided into two parts called semesters. The first semester begins with the session and continues to the first of February. The second semester begins the first of February and ends with the session.

The Christmas recess begins on the twenty-third of December and ends on the second of January.

An Easter recess of four days is given from Friday to Monday, inclusive.

NUMBER OF HOURS A WEEK

The normal amount of work for a student is sixteen hours a week. One course in addition to this amount will be allowed only with the approval of the Registrar.

MINIMUM SCHOLARSHIP REQUIREMENTS

Members of the Freshman and Sophomore classes must attain the passing mark in at least six hours of work in each semester. Failure to do so automatically causes the withdrawal of a student from the College.

Members of the Junior and Senior classes must attain the passing mark in at least nine hours of work in each semester, or else similarly sever their connection with the College.

Seniors failing in three or more courses at the end of the second semester must take the regular Senior work during the next year. Seniors failing in less than three courses may make up the deficiency without residence and will be graduated at the next commencement, provided they have appeared personally at the College for all examinations in such courses as must be made up.

The minimum scholarship requirements are interpreted on the basis of the results of the first examination.

CHANGE OF STUDIES

Upon registration, each student is furnished with an enrollment card which contains a statement and schedule of the courses in which he is enrolled. This card, when it has been approved by the Registrar, represents the work for which the student is responsible. Any student who desires to change his course of study must first secure the permission and approval of the Registrar. A student who drops a course or changes his enrollment without permission is liable to discipline. Changes of studies are permitted only during the first two weeks of the semester.

EXAMINATIONS

Examinations, generally written, are given at the end of each semester, and are made sufficiently rigid to test the student's knowledge of the studies pursued. Reviews of work done are given before examinations except when manifestly unnecessary or inadvisable.

Absence from an examination, except for reasons of absolute necessity, is considered a serious delinquency. Such absence, unless excused for good reason by the Dean, will debar the delinquent from class advancement.

Any student whose daily grade is below E is ineligible for examination.

RE-EXAMINATIONS

Students failing on examination in any semester are given a special examination within two weeks. In case a condition is not promptly removed the student will be required to discontinue the course, or take the work over again in class a year later.

The fee for each re-examination is $2.

SYSTEM OF GRADING

General class standing and attendance on recitations and lectures, combined with the results of examinations, deter-

mine the class grade of each student. Each absence from recitation, lecture, or laboratory, which is not made up by conference work lowers the daily grade of the student by an amount which is determined by the professor concerned. In determining the student's average grade in a given subject, the daily grade is given twice the weight of the grade obtained on examination.

The work of students is graded according to the following system: A=95-100, B=90-94, C=80-89, D=70-79, E is used to indicate a grade of work which is not quite passable, but a condition which can be removed by re-examination, and F designates work whose character is so deficient that the subject must be repeated in class.

Each semester hour's work of grade A secures three quality credits, of grade B two quality credits, of grade C one quality credit, and of grade D no quality credit.

The number of quality credits required for promotion and for graduation is two-thirds of the number of semester hours.

CLASSIFICATION AND PROMOTION

For promotion to the classification of Sophomore the student must have completed 18 semester hours and 12 quality credits.

For promotion to Junior classification the student must have completed 54 semester hours and 36 quality credits.

For promotion to Senior classification 90 semester hours and 60 quality credits are required.

REQUIREMENTS FOR GRADUATION

A subject for a graduating thesis is assigned to each member of the Senior class before the Christmas recess. He is required to hand to the professor in whose department the subject is assigned an outline by March 1st and the complete thesis not later than April 15th. Theses are graded both as to matter and form and the grade thus assigned is used in determining the student's average graduating grade. Subjects are assigned to members of the class for speeches on Commencement Day.

All Senior conditions are required to be made up before May 1st.

The number of quality credits required for graduation is two-thirds of the number of semester hours.

A student whose total of quality credits upon graduation is two and a half times the number of semester hours is graduated with first distinction.

A student whose total of quality credits upon graduation is twice the number of semester hours is graduated with second distinction.

DISTINCTIONS

A student, who is carrying not less than the normal amount of work and whose total of quality credits for the year is two and a half times the number of semester hours, is awarded a first distinction.

A student, who is carrying not less than the normal amount of work, and whose total of quality credits for the year is twice the number of semester hours, is awarded a second distinction.

The names of students who win distinctions are announced and certificates of distinction awarded on Commencement Day. The names of students thus distinguished are placed on the honor roll in the catalogue of the next session.

Any student who has been on probation at any time during the session, who has more than five demerits recorded against him for the session, or who was conditioned in any study is disqualified from receiving either first or second distinction. An absence from examination for any reason is considered a condition.

REPORTS

After each examination, statements are sent to parents or guardians showing the student's average grade in each subject for the preceding semester, together with information about class and chapel attendance and conduct. In the case of students who are notably delinquent, these statements will be made as often as once a month.

MEDICAL ATTENTION

The College employs a physician whose duty it is to make a physical examination of every student upon his admission to the College, to furnish medical attention throughout the session to those who have need of it, and to have general supervision of matters pertaining to hygiene and sanitation in the student life. The college physician will report to parents cases which require their attention.

For this service each student is charged a fee of $4.00 per session.

In case it is necessary to remove a student from the campus to a hospital for surgical operation or other treatment, the College does not obligate itself for the expense.

Students may have the physician of their own choice instead of the college physician, but it will be at their own expense.

The medical fee does not cover the cost of medicines.

CLASS ABSENCES

Each student is allowed a total gratuity of as many class absences a semester as he has recitations a week.

The gratuity in each course a semester is equal to the number of recitations a week in the course.

A gratuity of six absences a semester from chapel is allowed to each student.

When a student exceeds his gratuity in any course, he becomes subject to discipline.

Absences are counted from the first recitation in each course.

Absences from class affect the grade of the student for that course, unless promptly made up to the satisfaction of the professor in charge. The making up of work missed is a departmental matter and is entirely under the supervision of the heads of departments.

ABSENCE FROM COLLEGE

Permission to be absent from college for any considerable time or distance must be secured from the Dean of the College. Students wishing to visit Roanoke may do so without per-

mission, provided the frequency of their visits does not interfere with their work. Whenever it is found that a student is wasting his time in going to Roanoke, the privilege will be taken away immediately.

DISORDERLINESS AND NEGLECT OF WORK

Discipline is administered both for misconduct and neglect of work. It may take the form of admonition, probation, suspension, or expulsion, according to the degree of the offense. While insisting on a proper observance of all college rules, it is the earnest aim of the faculty to inculcate the principle of acting from a high sense of duty, rather than from the mere constraints of authority. The faculty recognize the importance of preserving a wholesome moral atmosphere in the college community; and to this end they will request the withdrawal of any student whose influence is known to be pernicious by reason of immorality, disorderly conduct, persistent idleness, or any other sufficient cause.

THE COÖPERATION OF PATRONS

It has always been the aim of the trustees and the faculty of Roanoke College to provide the best facilities for acquiring a liberal education, and so to control the necessary expenses of students that young men of slender means might not be debarred from the advantages offered by the institution. How well they have succeeded may be seen by carefully comparing the wide range of studies and facilities of instruction with the small outlay necessary for the enjoyment of these advantages. The aim of the College is not to make money, but to do good by helping young men to prepare for useful living. All the fees paid by the students fall far short of the amount required to meet the current expenses of the College. Every student, therefore, receives much more than he pays for.

The faculty cannot too earnestly urge upon the attention of parents that students should be present on the day preceding the opening of the session. A week or two lost at the beginning of the session is frequently the cause of embarrassment throughout the year.

Parents and guardians are requested to consult the faculty before expressing a willingness for their sons or wards to change or discontinue studies.

It is especially requested that patrons will not, for slight cause, ask permission for students to withdraw from the College before the final examination.

Since the College has provided a generous amount of time for holidays and recreation in the Christmas and Easter recesses and other holidays, parents are earnestly requested not to encourage students to leave the College for long visits to the neglect of their studies.

PRIZES AND HONORS

JUNIOR SCHOLARSHIP MEDAL

A medal is awarded annually to that member of the Junior class who has the highest average scholarship.

TRUSTEES' MEDAL

The trustees of the College have established a gold medal to be awarded annually to any regularly classified student who shall present the best essay in the field of industrial relations.

FACULTY MEDAL

The faculty of the College have established a gold medal to be awarded annually to any regularly classified student who shall contribute the best short story or essay to one of the college publications.

ATHLETIC SCHOLARSHIP PRIZE

A prize of twenty dollars in gold is offered annually to any regularly classified student who attains the highest average scholarship among the men who win the "R" in athletics.

SOCIETY MEDAL IN ORATORY

The literary societies jointly offer a gold medal for excellence in oratory. At a primary contest, held in the halls of the societies on the second Saturday in April, three contestants from each society are selected by a committee to speak at the final contest. The contest is held on one evening of commencement week, and the medal is awarded by a committee of five gentlemen selected by the contestants.

CONDITIONS OF CONTESTING

Only students pursuing a regular course may contest for the prizes mentioned above.

Any member of either literary society who ranks above the Sophomore class, may enter the contest for the medal in oratory, subject to conditions imposed by the societies.

No student may contest twice for the same prize.

FACILITIES FOR INSTRUCTION

LIBRARY

The college library occupies the Bittle Memorial Building. The main section of this building, erected in 1879, is entirely occupied by book stacks. In 1894, an annex was built, consisting of a large central room with two communicating wings. In the central room are kept works of general reference and special books needed for immediate use by the departments of instruction of the College. In the east wing are filed the current periodicals and newspapers. The rooms in the annex afford ample facilities for reading and study.

The library now contains approximately 18,000 volumes, including books and bound periodicals. There is a good supply of works of general reference, such as encyclopedias, dictionaries, and indices to periodical literature. All literary and scientific departments of study are represented in the library's collections. Important recent publications embodying the results of the latest research are regularly added. A modern card catalogue, in which works are listed both by authors and subject matter, renders the material in the library easy of access. The library is a depository for Government publications. 5,612 such documents have been arranged in accordance with the check list issued by the Superintendent of Documents and are readily available for reference. The library subscribes to thirty technical journals and general magazines and to three daily papers.

The library is open throughout the day and for two hours in the evening on each working day during the session. A trained librarian is in charge. Students have direct access to all books. They may withdraw books in accordance with library regulations and are encouraged to use the library for reading and study. They are given the opportunity to master the scientific use of the facilities of a modern library. Under certain conditions, the collections of the library are available for the teachers, school children, and residents of Salem.

The library possesses much important source material for historical research, especially in the Civil War period. A number of valuable editions dating from the fifteenth and sixteenth centuries are among the old and rare volumes on its shelves. In the library are preserved portraits of Dr. D. F. Bittle, the first President of the College, and of several benefactors of the College, also class-groups of graduates.

THE CHEMICAL LABORATORIES

The chemical laboratories are situated on the third floor of the Administration Building. There are five laboratory rooms and class rooms, stock room, and dark room.

Precision equipment from manufacturers in the United States and Europe has been recently acquired; e. g., Pellin, saccharimeter-polarimeter; Abbe, refractometer; Emerson, calorimeter; Hoskins, muffle, combustion and usual furnace; ovens; balances; B. and L. microscope; thermostat, control, .02° C.; electrometric apparatus; and others.

Electric energy is the main source of fuel, and offers many advantages in quantitative estimations.

Library facilities are offered by some of the best reference volumes and journals, both American and foreign. A complete set of U. S. chemical bulletins are available.

THE PHYSICAL LABORATORIES

The physical laboratories occupy the three rooms on the first floor of West Hall. These rooms are admirably suited for work in physics since they have been remodeled and equipped with suitable furniture. The recitation room can be darkened and used for experimenting in optics and for baloptican lectures. The two remaining rooms have been equipped with large cabinets for storing apparatus and a number of tables that will accommodate large classes for individual work. Among the apparatus may be found first class vernier and micrometer calipers, barometer, hydrodeik, impact apparatus, torsion pendulum, Young's modulus apparatus, Bausch and Lomb baloptican, spectrometer, large optical bench, induction coil for X-ray work, large static machine, precision D'Arsonval galvanometer, motor generator, and storage batteries.

EQUIPMENT FOR RADIO COMMUNICATION

The Physics Department has installed a first class wireless outfit with a receiving capacity of about 22,000 meters and a sending capacity of 1 kilowatt. The six-wire aerial is about 100 feet long and leads into a De Forest multiwave tuner with a good variety of honey-comb coils. The tuner is connected to a Grebe detector and one stage amplifier, and from there the signals pass through a Baldwin, type E, headset. Provision has been made for a new type magnavox (loud speaker), in order that an entire class may hear the signals at the same time. The principal units of the sending set are a Murdock rotary gap, a Clapp Eastham oscillation transformer, an Acme oil condenser, and an Acme 1 kilowatt power transformer.

THE BIOLOGICAL LABORATORIES

The entire east end of the third floor of the Administration Building is devoted to the biological laboratories. One large laboratory for work in general biology, two smaller laboratories for more advanced work, and a large lecture room are included. These rooms are all well lighted and provided with numerous wall cabinets, tables, and lockers. The large amount of additional biological apparatus recently placed in these rooms makes the laboratories thoroughly modern in every respect.

GYMNASIUM

The new gymnasium completed a few years ago has a main floor space 30 x 71 feet and is thoroughly modern in every respect. It is equipped with the usual apparatus, including Indian clubs, dumb bells, chest weights, horizontal and parallel bars, flying and traveling rings, etc. The main floor accommodates a good basket-ball court. In the basement are sanitary lockers and hot and cold showers.

THE HOOVER LECTURE FOUNDATION

Col. A. Pearson Hoover, Class of 1901, has established a fund to be devoted to bringing to the College lecturers of national reputation. The lectures are intended to quicken the intellectual life of the College and to provide a broader outlook for the students. They also constitute a part of the community

service of the College and the public is invited to attend them.

During the present session the following lecturers have spoken at the College under the Hoover Foundation:

Dr. D. M. Robinson, Professor of Archæology in Johns Hopkins University. Subject, "Ancient Cities of Asia Minor."

Dr. Edwin Mims, Professor of English Language and Literature in Vanderbilt University. Subject, "The Imagination in Literature and in Life."

Dr. M. R. Reid, Associate in Surgery in Johns Hopkins University. Subject, "Some Modern Tendencies in Medicine."

Dr. John H. Latané, Professor of American History in Johns Hopkins University. Subject, "The Washington Conference and Its Results."

Dr. L. S. Rowe, Director General of the Pan American Union. Subject, "The Present International Situation in Latin America."

RELIGIOUS AND MORAL CULTURE

The faculty and students assemble in the college chapel in the morning of each recitation day for religious worship, consisting of music, reading of Scripture, and prayer. Students are required to attend these exercises in the chapel.

Students are expected to attend religious worship at least once on Sunday. In attending church and Sunday-school they have choice among six denominations. Bible classes of college students are organized in the Sunday-schools of the town and there are young people's societies of various kinds in the churches. The pastors of these churches take a special interest in the religious welfare of the students.

It is the constant aim of the faculty to encourage in every possible manner a spirit of earnest work and true manliness. To build up a noble character is regarded as the highest function of education.

STUDENT ACTIVITIES

YOUNG MEN'S CHRISTIAN ASSOCIATION

For a number of years there has been a Young Men's Christian Association in connection with the College. It is designed to promote the growth of personal religion among its own members, and in doing this it exerts a salutary influence upon the students in general.

All students have the privilege of attending a weekly religious service on Tuesday evenings, conducted by members of the Young Men's Christian Association. The Association also maintains a number of classes for the systematic study of the Bible.

In 1900, a good organ was presented to the Association by Mr. M. P. Möller. The Association holds weekly religious services and monthly meetings for the transaction of business.

The anniversary address is usually delivered on the Sunday evening nearest the 22d of February. Other addresses are given occasionally during the session.

LITERARY SOCIETIES

The two literary societies, Demosthenean and Ciceronian, have large halls, handsomely furnished. The societies meet weekly, to engage in such exercises as give proficiency in parliamentary usage and contribute to the cultivation of oratory, debate, and composition. Much use is made of the library in preparing for these exercises, especially for debates. The exercises are regularly criticised by an officer of each society, and are thus made highly improving to the members. These societies become valuable auxiliaries in preparing young men for professional life.

Each society gives annually two gold medals, one to the best debater and the other to the best declaimer. These medals have the effect of increasing the interest felt by the members in the work of the societies. The regulations gov-

erning the contests are such as to insure as far as possible impartial awards of these prizes. The contests are held and the medals awarded in the month before Commencement.

Besides, two medals, each valued at $25.00, are awarded annually for improvement in debate during the session: in the Ciceronian Society, the Mary D. Wright Medal for Improvement in Debate, endowed by Prof. P. E. Wright, '87, A. M., of China Grove, N. C., in memory of his mother; in the Demosthenean Society, a medal for Improvement in Debate.

These societies are controlled wholly by their respective members. All matriculates of the College are admitted to membership in the societies on such conditions as their respective constitutions prescribe.

The Ciceronian Society holds its anniversary celebration on the evening of the 22d of February. The Demosthenean Society holds its anniversary celebration on the evening of the 19th of January.

DEBATE COUNCIL

For the encouragement of voluntary activity in forensics, the Debate Council of the College arranges intercollegiate contests, and directs debating primaries in which the college team is selected. A member of the faculty assists in the training of the debaters.

GLEE CLUB

The Roanoke College Glee Club has been a student organization for a number of years. Besides the opportunity which it affords for the development of the vocal talent of the student body, it is the occasion for much good fellowship and wholesome entertainment. During the year several concerts are usually given in the town and occasionally a trip is taken.

ORCHESTRA

The College Orchestra is composed of members of the student body and faculty who are talented in instrumental music. It furnishes the music for numerous public functions on the campus and in the town.

THE ATHLETIC ASSOCIATION

The General Athletic Association is composed of a board of six members. Four members are students elected by the student body and one each is elected by the faculty and the Alumni Association. This board develops and supervises the athletic policy of the College and passes finally upon all intercollegiate schedules, contracts, and expenditures.

Roanoke College believes that clean, competitive athletics develop in students good health and needed mental resourcefulness. It employs the best coach available to give instruction in all sports. It seeks to win intercollegiate contests without resorting to "ringers" and without the impairment of the scholastic work of such men as are members of teams, in all branches of sport.

As large a number of students as possible are encouraged to take part in some branch of athletics for the sake of their physical well-being. Second-team schedules are therefore arranged and many class contests are engaged in. By these means the benefits of athletic training are offered to the many rather than confined to the few who are successful in winning a place on regular "Varsity" teams.

A large athletic field is provided adjoining the campus, being located only a short distance from the dormitories and gymnasium.

GOLF

The students of the College are admitted to the use of the eighteen-hole golf course of the Roanoke Country Club as well as other privileges of the club upon proper recommendation and the payment of a moderate fee. The golf course is easily reached by trolley car, the distance being only about three miles.

THE COLLEGE STORE

The College Store is operated on the campus under the control of the General Athletic Association, which receives all profits from sales. Practically all supplies needed by students are kept in stock and prices in all cases are as reasonable as those charged in stores off the campus. The store also serves as agent for tailoring houses, pressing shops, laundries, florists, etc. The

student body pledges itself to give the store its patronage in all possible cases.

STUDENT PUBLICATIONS

A weekly devoted to athletic and general college news is published during the year. The *Collegian,* a literary journal, is issued every two months. The *Roentgen Rays,* the college annual, is published each year by the Junior Class.

HONOR SYSTEM

The students are self-governing in accordance with the principles of the Honor System adopted in January of this year. The Honor System is simply the application of the highest code of conduct and ideals to student life and activity both in the classroom and on the campus.

Full power to enforce the constitution of Student Government is vested in a council of seven students selected as follows: Three men from the Senior class, two from the Junior, one from the Sophomore, and one from the Freshman. All members of the Student Council are elected by their respective classes. It is the duty of the council to try students accused of acts which reflect on the honor and well-being of the College and student body.

The College encourages its students to govern themselves in so far as they can properly do so, in the belief that the responsibility develops character and sound judgment.

SCHOLARSHIPS

The generosity of friends of the College enables the faculty to offer to needy and deserving students a limited amount of aid, mainly in scholarships covering tuition fees for one year. In very deserving cases a scholarship may be renewed from year to year. A scholarship will be withdrawn whenever the holder shows a lack of appreciation of its privileges by neglecting his studies or by being guilty of serious misconduct.

All applicants for aid should present testimonials of good moral character; of studious, industrious, and economical habits; and of willingness to help themselves.

The faculty are anxious to encourage and aid worthy students who wish to attend Roanoke College. Such persons are invited to correspond with the faculty.

WATSON-WELLS MEMORIAL SCHOLARSHIP

The Watson-Wells Memorial Scholarship was founded in 1892, by Mr. A. E. Watson, of Marlin, Texas, who gave $1,000 in memory of his son, Armistead Churchill Watson, and Russell Lewis Wells, son of the late Professor S. C. Wells, Ph. D., LL. D., of the College. The income pays the tuition fee of a worthy student.

AUCHMUTY SCHOLARSHIP

In 1897, the Auchmuty Scholarship was endowed by Mrs. Richard T. Auchmuty, of New York City, who gave $1,000 for this purpose. The income pays the tuition fee of a needy and deserving student.

AUSTIN SCHOLARSHIP

Twenty-two Austin Scholarships for needy and deserving students have been established with the fund of $26,500 realized by the College in the settlement of the bequests of

$30,000 left by the late Edward Austin, of Boston, in 1898. Each of these scholarships covers the tuition fee of $75.

CONVERSE SCHOLARSHIP

In 1905, the late John H. Converse, LL. D., of Philadelphia, gave $1,000 to endow a scholarship, specifying that the income should be used to pay the tuition fee "of a deserving student for the Christian ministry."

GEORGE AND KATHERINE GOSE MEMORIAL SCHOLARSHIP

In 1907, Mr. and Mrs. John P. Gose, of Burkes Garden, Virginia, gave $1,000 to endow a scholarship in memory of his father and mother, George and Katherine Gose. The income pays the tuition fee of a deserving student for the ministry.

DOCIA VIRGINIA BONHAM SCHOLARSHIP

The Docia Virginia Bonham Scholarship was founded in 1907 by Mr. H. L. Bonham, of Chilhowie, Virginia, who gave $1,000 in memory of his wife, Docia Virginia Bonham. The income pays the tuition fee of a worthy student for the ministry.

GLOSBRENNER V. YONCE SCHOLARSHIP

In 1907, Mr. Ivan V. Yonce, of the Board of Trustees of Roanoke College, Salem, Virginia, gave $1,000 to endow a scholarship in memory of his brother, Glosbrenner Victor Yonce (Class of '77). The income pays the tuition fee of a deserving student.

THOMAS H. COOPER SCHOLARSHIP

In 1907, Mr. Thomas H. Cooper, a former student of the College, Salem, Virginia, gave $1,000 to endow a scholarship, the income from which is used to pay the tuition of a deserving student.

CRAUN SCHOLARSHIP

In 1912, Mr. and Mrs. R. S. Craun, of North River, Virginia, established a scholarship by the gift of $1,000 to the endowment fund, the income of which shall be used to as-

sist in paying the fees of students for the ministry who need assistance.

CHARLES A. SCHIEREN SCHOLARSHIP

In 1913, the late Charles A. Schieren, of New York, gave $1,000 to endow a scholarship, the income from which is available for the aid of a deserving student for the ministry.

WILLIAM W. WATTLES SCHOLARSHIP

In November, 1915, Mrs. W. W. Wattles, of Pittsburgh, Pa., gave $1,000 to endow the William W. Wattles scholarship in memory of her husband. The income from this scholarship is to be used annually to aid a promising student of limited means.

BENEFACTIONS

Grateful acknowledgment is made by the College for the following bequests from friends:

REV. ANDREW BIGELOW, D. D., Southboro, Mass. (1881)...	$ 1,000.00
MRS. GEORGE H. CROCKETT, Springfield, Mass. (1892).....	5,000.00
MR. HENRY J. STEERE, Providence, R. I. (1891).....	25,000.00
MR. EDWARD AUSTIN, Boston, Mass. (1898).....	26,500.00
MR. STEPHEN W. MARSTON, Boston, Mass. (1898).....	2,000.00
MISS ELLEN M. SPEED, East Hartford, Conn. (1901).....	2,000.00
CAPT. A. H. WILSON, Harrisonburg, Va. (1901).....	2,000.00
COL. G. B. BOARD, Salem, Va.....	10,000.00
MRS. S. F. SIMMONS, Salem, Va. (1903).....	1,000.00
FRANKLIN J. BYERLY, Philadelphia, Pa.....	2,000.00
ELIJAH RUDOLPH, Frederick County, Virginia (1903).....	6,000.00
JACOB PERSINGER, Roanoke County, Virginia (1884).....	8,132.45
MR. AND MRS. F. C. OTT, Augusta County, Virginia (1911).	6,582.00
MAJOR E. A. ARTMAN, Philadelphia, Pa. (1912).....	5,000.00
MRS. CHARLOTTE M. FISKE, Boston, Mass. (1918).....	5,000.00
MRS. NANCY J. BIGELOW, Southboro, Mass. (1918).....	3,000.00
MISS KATHERINE SCHAEFFER, Philadelphia, Pa. (1919).....	2,500.00
MR. WILLIAM PORE, Pittsburgh, Pa. (1920).....	1,000.00
MRS. M. G. BOARD (1893).....	5,000.00
MR. W. C. GROVES.....	3,000.00
MRS. JOHN TROUT.....	1,488.00
MR. J. H. CONVERSE (1905).....	2,000.00

In addition to the above, appreciative acknowledgment is made for many gifts to the Endowment Fund, for many contributions to the library and to the scientific collections, and for the constant support of many friends in maintaining scholarships, current expenses, buildings and grounds, etc.

NEEDS

Like all educational institutions, Roanoke College offers its privileges to students at much less than actual cost. The annual budget for current expenses is $20,000 in excess of all income received from endowment funds and from students' fees. Only the consistent liberality of its many friends in all parts of the country makes possible the permanency of its fine educational service.

Friends and alumni are asked to consider the matter of remembering Roanoke College in their wills. The capital sum of $1,250 will endow a permanent scholarship to be awarded to deserving students. Under ordinary circumstances, the Board of Trustees would prefer that all legacies be left either to the Endowment Fund or for the support and maintenance of the College at the discretion of the Board.

Persons desiring to leave money by will should be careful to use the legal title of the corporation—"*The Trustees of Roanoke College at Salem, Virginia,*" as in the following form of bequest:

FORM OF BEQUEST

I give, devise, and bequeath to the Trustees of Roanoke College, at Salem, Virginia ..... *Dollars, for the support and maintenance of said College (or for purposes of permanent endowment, for the permanent endowment of a professorship or scholarship in said institution, or for the erection and maintenance of an additional building, etc.)*

ANNUITIES

Friends desiring to make gifts to the College and at the same time to use the income therefrom during their natural lives, may do so according to the annuity plan. Under this plan the principal sum may be paid to the Treasurer of the Trustees at any time, the said Treasurer giving ample security for the same, and paying annually a variable rate of interest (from 5 per cent. to 7 per cent., according to the age of the donor) until the death of the donor, at which time the principal of the gift becomes the permanent property of the College, without the necessity of the usual inheritance taxes.

A SUGGESTION

Friends and alumni wishing to give considerable sums of money during their lifetime are asked by the Board of Trustees to consider the following immediate needs:

1. The Permanent Endowment Fund.
2. A new Chapel and Auditorium, with adjoining assembly rooms for the College Y. M. C. A. and other student organizations.
3. The endowment of a full professorship.

Any further information about these suggested gifts will be furnished gladly by the President of the College.

RECORDS OF ALUMNI AND EX-STUDENTS

Complete card filing systems, both alphabetical and geographical, of all students who have attended the College are kept in the office of the Secretary. The cards contain the full name, the years in college, the address, the business, and a brief sketch of each old student. The College appreciates the coöperation of all Roanoke men in helping to keep complete these valuable records. It is especially desired that any change in the address or the work of alumni and ex-students be reported promptly to the Secretary.

ALUMNI ASSOCIATION

The Alumni Association is composed of the graduates and former students of the College.

The association meets annually during commencement week.

OFFICERS OF THE ALUMNI ASSOCIATION

President

L. M. ROBINETTE, '06 ..... Jonesville, Va.

Vice Presidents

COL. A. PEARSON HOOVER, '01 ..... New York City
REV. JOHN W. LINK, '07 ..... New Market, Va.
REV. S. C. BALLENTINE, '91 ..... Damascus, Va.
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Secretary

MR. J. P. SAUL, JR., EX. '08 ..... Salem, Va.

Treasurer

GEO. A. L. KOLMER, M. D., '07 ..... Salem, Va.

COMMENCEMENT

June 12-15, 1921

BACCALAUREATE SERMON:
REV. J. HENRY HARMS, D. D. .....Philadelphia, Pa.

ADDRESS TO THE GRADUATING CLASS:
MAJOR GENERAL DAVID C. SHANKS, '79....New York City

DEGREES CONFERRED JUNE 15, 1921

Doctor of Laws

MAJ. GEN. DAVID C. SHANKS, '79 .....New York City

Doctor of Divinity

REV. LARS BOE .....St. Peter, Minn.
REV. L. S. G. MILLER, '01 .....Kumamoto, Japan
REV. J. L. ROSSER, '97 .....Bristol, Va.
REV. HENRY J. SCHUH .....Anna, Ohio

Master of Arts (Honoris Causa)

COL. A. PEARSON HOOVER, '01 .....New York City
HON. C. A. WOODRUM .....Roanoke, Va.

Master of Arts

JULIUS FIELDING PRUFER .....Staunton, Va.

Bachelor of Arts

CONNOR BURKET BATMAN .....Luray, Va.
IRA DALTON CHAPMAN .....Salem, Va.
WALTER CLAY CHAPMAN .....Salem, Va.
JOHN HAMPSON FRAY .....Madison, Va.

STANLEY TAYLOR GODBEY ..... Radford, Va.
HARRY ADDISON JACKSON ..... Mt. Sidney, Va.
RALPH KELLY KILLINGER ..... Marion, Va.
HARTSELLE DEBURNEY KINSEY ..... Roanoke, Va.
HERBERT SENSENEY LAUCK ..... Winchester, Va.
WILLIAM AUGUST MAHLER ..... Wilmington, N. C.
PAUL HERNDON NEESE ..... Swansea, S. C.
HERBERT JOHNSTON PLONK ..... Kings Mountain, N. C.
CHARLES FRANKLIN WHITMORE ..... Salem, Va.
JESSE RAYMOND WILLIAMSON ..... Salem, Va.

Bachelor of Science

ARTIE FLEET BARRIER ..... Danville, Va.
JOHN CLARK BERRY ..... Bedford, Va.
WILLIAM OLIVER PORTER ..... Roanoke, Va.
GEORGE EWING STARNES ..... Gate City, Va.

ROLL OF HONOR

1920-1921

Valedictorian

HERBERT JOHNSTON PLONK ..... Kings Mountain, N. C.

First Distinction

RUSSELL CLARK GROVE ..... Strasburg, Va.
JOHN LUTHER WALKER ..... Lynwood, Va.

Second Distinction

WHITFIELD WADE BARRIER ..... Danville, Va.
RUSSELL CARPENTER ..... Madison, Va.
LIN SUNG HAHN ..... Pyung Yang, Korea
HARTSELLE DEBURNEY KINSEY ..... Roanoke, Va.
CHITOSE KISHI ..... Kamogun, Japan
SAMUEL AUBREY MAUNEY, JR. ..... Kings Mountain, N. C.
CHALMERS MOREHEAD ..... Salem, Va.
JACOB MARTIN ORNDORFF ..... Washington, D. C.
HERBERT JOHNSTON PLONK ..... Kings Mountain, N. C.
JULIUS FIELDING PRUFER ..... Staunton, Va.
HARDY GRANT ROSS ..... Mt. Jackson, Va.
PAUL SIEG, JR. ..... Salem, Va.
GEORGE EWING STARNES ..... Gate City, Va.
GEORGE STELLJES ..... Savannah, Ga.
ROBERT EDWARD YOUNGER ..... Rustburg, Va.

AWARD OF PRIZES

Junior Prize Scholarship in English

RUSSELL CLARK GROVE ..... Strasburg, Va.

Declaimer's Medal of the Ciceronian Society

CHARLES MCCULLOCH LEFEW ..... Salem, Va.

CATALOGUE OF STUDENTS

1921-1922

Post Graduates

WALTER CLAY CHAPMAN ..... Salem
HARTSELLE DEBURNEY KINSEY ..... Roanoke
PAUL HERNDON NEESE ..... Swansea, S. C.

Seniors

JOHN DABNEY CARR ..... Roanoke
ARTHUR PUGH COLEMAN ..... Rustburg
LUTHER GRADY COOPER ..... China Grove, N. C.
WADE B. CORBIN ..... Weyers Cave
WILLIAM LEE DARNELL ..... Gate City
HASKEL ROBERT DEAL ..... Salem
RUSSELL CLARK GROVE ..... Strasburg
OTTO FULTON HESTER ..... Easley, S. C.
ELBERT BROWN LINDAMOOD ..... Wytheville
CLARENCE REID MCLAIN ..... Salem
LEONIDAS NEILSON MCREYNOLDS ..... Salem
SAMUEL AUBREY MAUNEY, JR. ..... Kings Mountain, N. C.
LAURENCE HENRY MODISETT ..... Luray
CARL HENRY MONSEES, JR. ..... Savannah, Ga.
WALTER HUGHES OAKEY, JR. ..... Salem
HARDY GRANT ROSS ..... Mount Jackson
GEORGE STELLJES, JR. ..... Savannah, Ga.
SAMUEL JAMES THOMPSON ..... Rustburg
FURMAN BLACK WHITESCARVER ..... Salem
NORMAN ALLEN WOODSON ..... Daleville

Juniors

GEORGE ALEXANDER BRANSCOM, JR. ..... Troutville
OTIS CALHOUN BROWN ..... Belspring
ORION GREY CALLISON ..... Lewisburg, W. Va.
LESLIE DILLON CARTER ..... Salem
JOAQUIN FRANCISCO CICERO ..... San Antonio, Texas
WILLIAM FRED COLEY ..... Rural Retreat
JESSE RUSIA BURTON CRIGLER ..... Madison
IRVIN WILLIAM CUBINE ..... Bristol
JOHN WESLEY BRYAN DEEDS ..... Haymakertown

EDWARD ERWIN DOBBINS ..... Roanoke
TOBIAS GOODMAN ..... Raleigh, N. C.
PAUL BUSHONG GRAY ..... Bristol, Tenn.
BENTLEY HITE ..... Snowville
LEO SUTHERLAND HOWARD ..... Floyd
JAMES SCHULTZ HUFFARD ..... Wytheville
CHYUNG EUN KIM ..... Rong Chyun, Korea
CHITOSE KISHI ..... Nagoya, Japan
HOWARD FREDERICK KUDER ..... Philadelphia, Pa.
CHARLES MCCULLOCH LEFEW ..... Salem
JAY CASPER LITTS ..... Norton
ROY LAFAYETTE MCCOLLUM ..... Mason, Texas
WILLIAM KENNEY MCKAY ..... Luray
CHALMERS MOREHEAD ..... Salem
EUGENE GLENN OULD ..... Roanoke
SAMUEL RANDOLPH PAINTER ..... Lewisburg, W. Va.
THOMAS WILLOUGHBY POTTER ..... Troutville
SCOTT HERREN ROLLER ..... Kingsport, Tenn.
HARRY SAMUEL SHAFER ..... Troutville
HORACE BUCHANAN SHARITZ ..... Wytheville
HENRY ELLIS SULLIVAN ..... Wilhoit
ARTHUR JEFFRIES TOPHAM ..... Wytheville
WILLIAM HARVEY WOODS ..... Salem

Sophomores

BENSON SUESSEROTT ALLEMAN ..... Gettysburg, Pa.
CHARLES HENRY BARNES ..... Rocky Mount
WILLIAM DELP BRADBURY ..... Radford
ROBERT CARSON BROWN ..... Belspring
WALTER UMBERGER BROWN ..... Salem
CHARLES AUGUST BRUGGEMAN ..... Savannah, Ga.
GEORGE MINOR CALDWELL ..... East Radford
JOSEPH BUCHANAN CASSELL ..... Mount Sidney
SUNG HYUN CHA ..... Korea
KENNY EARL COFFMAN ..... Troutville
MORGAN DONNELLY COUK ..... Jonesville
WILLIAM STEEL CREIGHTON ..... Roanoke
FREDERICK FENDON DAVIS ..... Roanoke
ALFRED VERNON GOODMAN ..... Raleigh, N. C.
PERCY ROSS HENDERSON ..... Troutville
LOUIS NEWTON HOCK ..... Roanoke
CHARLES ADELBERT HUNTON ..... Salem
WILLIAM WHITSETT HURT ..... Eckington
CHARLES WILLIAM KINZER ..... East Radford
WALTON FUQUA MITCHELL ..... Roanoke
OSCAR NOEL MORISON ..... Christiansburg

WILLIAM ALEXANDER OAKEY ..... Salem
JACOB MARTIN ORNDORFF ..... Washington, D. C.
DWIGHT ARMSTRONG RUDASILL ..... Salem
CARL WILFRED SEILER ..... Savannah, Ga.
CLARENCE SIMPSON ..... Parrott
KARL VALENTINE SLOOP ..... Bloom
JACK SMILEY ..... Salem
CHARLES HAROLD SMOOT ..... Winchester
CARL GLENN WILKINS ..... Woodstock
LAWRENCE BROWN WILLIAMSON ..... Buchanan
HENRY FAY YOST ..... Roanoke
ROBERT EDWARD YOUNGER ..... Rustburg

Freshmen

WALTER DULANEY ADDISON, JR. ..... Roanoke
HUNTER HOLMES AKERS ..... Willis
MONROE GLASS BALDWIN ..... Roanoke
WARREN GLEAVES BISHOP ..... Cliffview
NATHANIEL CLOPTON BISPHAM, JR. ..... Roanoke
ARCHY STUART BOOKER ..... Bluefield, W. Va.
ROBERT EMMETT BOWMAN ..... Waynesboro
EUGENE NELSON DONALD BRATTON ..... Waynesboro
WILLIAM STYNE BREWBAKER ..... Buchanan
ELBERT OSBORNE BROWN ..... Roanoke
OSCAR EDWIN BURCH ..... Salem
FRANCIS HENDRON CAMPBELL ..... Austin, Texas
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LAWSON COURTNEY CARTER ..... Salem
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CARROLL SHAVER CHAPMAN ..... Salem
WILLIAM FRANK CHAPMAN ..... Salem
OWENS TAYLOR COBB ..... Columbia, S. C.
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ROY JEROME FELLERS ..... Fincastle
CHARLES BROWN FLANAGAN ..... Roanoke
ELLIOTT DENNIS FLOYD ..... Bridgetown
WILLIAM THOMPSON FRANCIS ..... Salem
RAYMOND ELIJAH FREED ..... Waynesboro
LEWYN H. GARDNER ..... Shawsville
JOHN EVERETT GARDNER ..... Eona
WILLIAM RUSSELL GIFFIN ..... Roanoke
FRANCIS MADISON GRAVES ..... Syria

DONOVAN ROBINSON GROVE ..... Williamsport, Md.
SAMUEL FLOYD GROVE ..... Strasburg
CHARLES NICHOLAS HARNER ..... New Market
CORNELIUS VINCENT HECK, JR. ..... Bluefield, W. Va.
MARSHALL HEDRICK ..... Elkton
RALPH AUBRIE HEFNER ..... Bluefield, W. Va.
IRA WILLIAM HENDERSON ..... Bluefield, W. Va.
EUGENE HOLMES, JR. ..... Linwood, N. C.
RAYMOND HOLROYD ..... Roanoke
EUELL CLAUDE JAMISON ..... Boones Mill
THEODORE MACK JOHNSON ..... Woodstock
DAVID NEWMAN JULIAN ..... Salisbury, N. C.
HENRY PRICE KAGEY ..... New Market
SAMUEL WARREN KAGEY ..... Weyers Cave
THOMAS FRANKLIN KEEGAN ..... Kingsport, Tenn.
LUTHER WELLINGTON KEISTER ..... Roanoke
WILLIAM JACOB KELLER, JR. ..... Toms Brook
JOHN MINOR KING ..... Roanoke
HENRY EUSTACE KNIGHT ..... Phenix
DAVID RANDOLPH KOINER ..... Staunton
WILLIAM SHIPMAN LINK ..... Salem
CHARLES OGDEN LOCKE ..... Drakes Branch
FIELDING LEWIS LOGAN ..... Salem
CECIL GILMORE LONG ..... McGaheysville
MARSHALL SIMMONS MCCLUNG ..... Salem
JOHN HENRY MARRA ..... Bluefield, W. Va.
JOHN TIPTON MASSENGILL ..... Bristol, Tenn.
CHIMER DAVIS MOORE ..... Cambria
ELMER R. MOORMAN ..... Hardy
RAYMOND EUGENE MUSSER ..... Roanoke
JULIAN RORER NOELL ..... East Radford
HARRY DUVALL PAINTER ..... Lewisburg, W. Va.
WILLIAM LEE PALMER ..... Waynesboro
ROBERT HAGAN PATTERSON ..... Bedford
EARL VERNON PEERY ..... Graham
JAMES GUY PERSINGER ..... Roanoke
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HERBERT FELIX SANDERS ..... Roanoke
NOAH THOMAS SCOTT ..... Marion
PAUL SIEG, JR. ..... Salem
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GEORGE SETON STEVENS, JR. ..... Salem
COURTNEY SMITH STICKLEY ..... Stephens City
JAMES EDWIN STRICKLER ..... Criglersville

KENNETH WILLIAM STROHOFER ..... Brooklyn, N. Y.
GEORGE BOYLE UNDERWOOD ..... Orange, N. J.
MILTON PETER RAYMOND UNDERWOOD ..... Orange, N. J.
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SHERMAN WAITMAN WEEKS ..... Willis
IRVING WIEDERWITZ ..... Brooklyn, N. Y.
BENNETT RINER WILLIS ..... Willis
NORRIS P. WILSON ..... Salem
LYNN MORTIMER WOODS ..... Salem
LACEY SHERIDAN WORNAL ..... Princeton, W. Va.
DONALD MCLEOD ZEA ..... Strasburg

Special Course Students

PALMER BROOKS ANDERSON ..... Dublin
WHITFIELD WADE BARRIER ..... Danville
NICHOLAS SENN BECKETT ..... Chase City
CLINTON PARKE BUCHANAN ..... Roanoke
ROLAND JOHNSON FERGUSON ..... Roanoke
CHARLES BACHELOR GREINER ..... Salem
WILLIAM EDWARD GRIFFITH ..... Roanoke
PHILIP HAMNER JETER KIME ..... Salem
JAMES LYNDON LUCAS ..... Luray
ROBERT JENNINGS MITCHELL ..... Marion
JOHN PIERPONT MORGAN ..... Salem
ALLEN THURMAN NELMS ..... Roanoke
GRADY LEONARD PAINTER ..... Salem
BELNARD RUCKER PRICHARD ..... Salem
HOWARD STROUSE RICE ..... Salem
EDWIN ANDERSON ROADES, JR. ..... Christiansburg
JOHN LUTHER WALKER ..... Lynwood
ROBERT GLENN WALKER ..... Roanoke
GORDON CARROLL WHITE ..... Fargo, N. Dak.

SUMMARY

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Total	196

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North Carolina	6
Tennessee	4
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North Dakota	1
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Japan	1

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For more detailed information than is given in the catalogue, address the Secretary. Alumni bulletins, student publications, booklets of views of college buildings and grounds, circulars of interest to prospective students, and the catalogue of the alumni may be had on application.

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